

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

DEPARTMENT GENERAL OF POSTS AND TELECOMMUNICATIONS (DGPT)
THE SOCIALIST REPUBLIC OF VIETNAM

**THE STUDY
ON
TELECOMMUNICATIONS DEVELOPMENT
IN
THE SOCIALIST REPUBLIC OF VIETNAM**

FINAL REPORT

VOLUME III

**SUPPORTING FOR MASTER PLAN
(APPENDIX)**

JICA LIBRARY



J 1152803 (1)

AUGUST 1999

NTT INTERNATIONAL CORPORATION

TOKYO JAPAN

SSS

JR

99-107

Exchange Rate as of June 1999
US Dollars and Vietnam Dongs

US\$ 1.00 = VNDs 13,830
VND 1.00 = US\$ 0.0000723

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

DEPARTMENT GENERAL OF POSTS AND TELECOMMUNICATIONS (DGPT)
THE SOCIALIST REPUBLIC OF VIETNAM

**THE STUDY
ON
TELECOMMUNICATIONS DEVELOPMENT
IN
THE SOCIALIST REPUBLIC OF VIETNAM**

FINAL REPORT

VOLUME III

**SUPPORTING FOR MASTER PLAN
(APPENDIX)**

AUGUST 1999

**NTT INTERNATIONAL CORPORATION
TOKYO JAPAN**

SSS

JR

99-107



1152803 (1)

CONTENTS

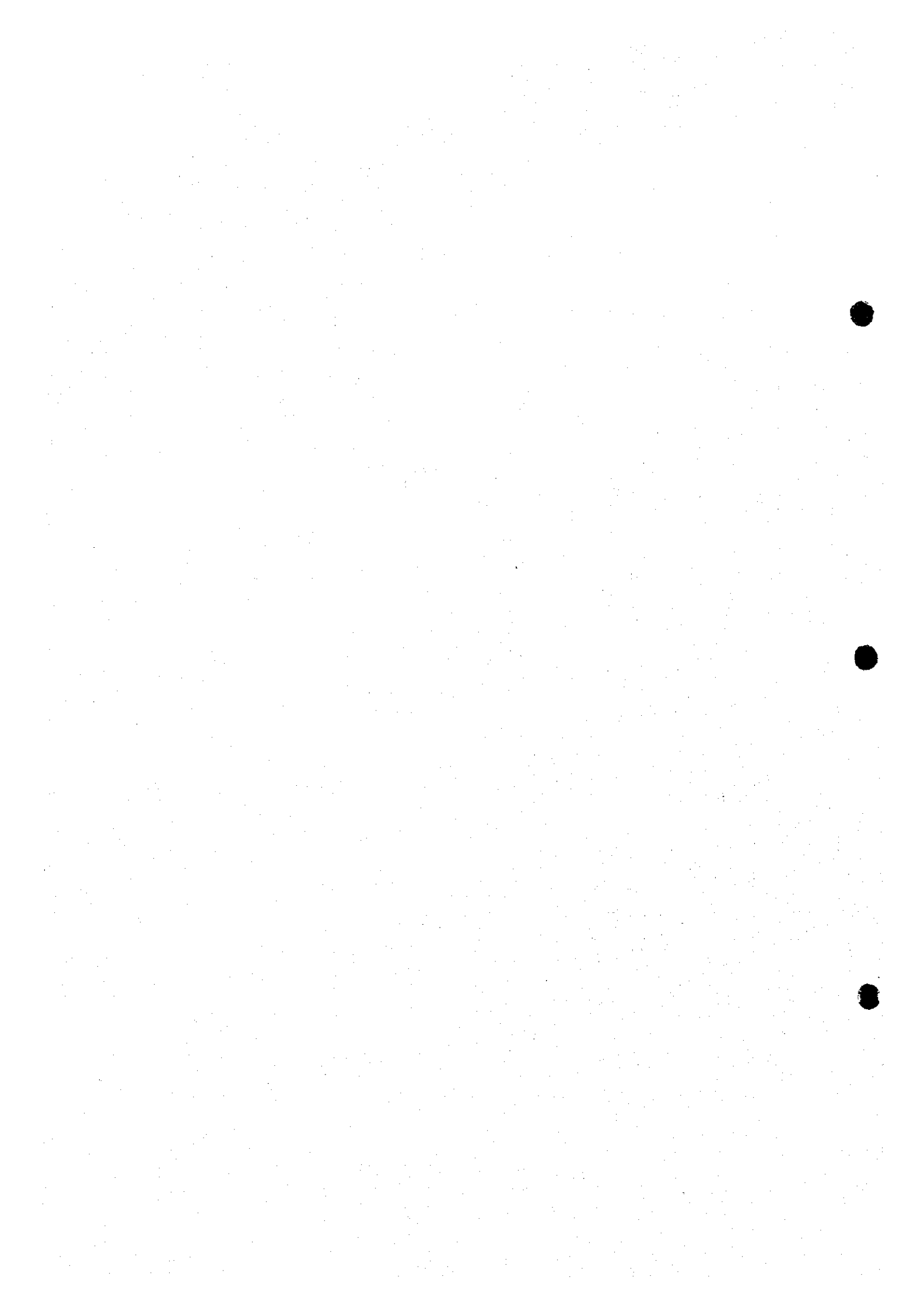
Appendix I

Appendix I-3-1 : Number of Subscribers	3-1
Appendix I-3-2 : Tariff	3-5
Appendix I-5-1 : Circuit Matrix of VTN Network	5-1
Appendix I-5-2 : Intra-Provincial Network as of June 1998	5-4
Appendix I-7-1 : Method of Approach for POTS Forecast	7-1
Appendix I-7-2 : GDP/capita vs. Teledensity	7-2
Appendix I-7-3 : Time-Series GDP/capita vs. Teledensity	7-4
Appendix I-7-4 : Urban-Rural Disparity 1997	7-5
Appendix I-7-5 : Development of POTS in Key Economic Regions	7-6
Appendix I-7-6A : Main POTS Market Forecast	7-10
(1) Teledensity	7-10
(2) Main Lines	7-17
(3) Affordability Parity	7-27
(4) RGDP per Capita	7-30
(5) Population	7-37
Appendix I-7-6B : Alternative POTS Market Forecast	7-40
(1) Teledensity	7-40
(2) Main Lines	7-47
Appendix I-7-7 : Business Users, Switch Occupancy, CMTS and Internet Users	7-57
Appendix I-7-8 : Forecast of Cellular Mobile Telephone Service (CMTS) Users	7-68
Appendix I-7-9 : Forecast of Internet Users	7-75
Appendix I-8-1 : Traffic Matrix for 2000 , 2005, 2010	8-1
Appendix I-9-1 : Optical Access Network Topology	9-1
Appendix I-9-2 : PON Specifications	9-5
Appendix I-10-1 : Circuit Matrix for 2000, 2005, 2010	10-1
Appendix I-10-2 : Channel Plan (Loop-1 to Loop-14)	10-15
Appendix I-11-1 : Phased New Primary and Secondary Lines	11-1
Appendix I-14-1 : Financial Business Plan	14-1
Appendix I-14-2 : Sensitivity Analysis (Scenario 1)	14-15
Appendix I-14-3 : Sensitivity Analysis (International Settlement Rate Reduction)	14-29
Appendix I-14-4 : Economic Business Plan	14-43

Appendix II

Appendix II-1-1 : Decision No. 547/1998/QĐ-TCBD	1-1
Appendix II-1-2 : Circular No. 04/1998/TT-TCBD	1-14
Appendix II-1-3 : Telecommunication Related Legislation in Vietnam	1-43
Appendix II-1-4 : TOR for Technical Assistance	1-47
Appendix II-4-1 : Radio Frequency Allocation in Vietnam	4-1
Appendix II-4-2 : Sample of License (Microwave)	4-6
Appendix II-4-3 : Application Form (Microwave/Earth Station)	4-7
Appendix II-4-4 : Application Form (Mobile)	4-9

Appendix I



Appendix I-3-1 Number of Subscribers

1. Cellular Mobile Telephone Service

Table 1 Number of Subscribers by Provider

Service Provider	1996	1997 (December)	1998 (30 June)	1998 (August)	Remarks
MobiFone	46,000	100,353	124,960	138,000	
VinaPhone	1,500	33,548	45,583	48,353	
Call Link	7,000	13,683	13,610		
Total	54,500	149,581	184,153		

Table 2 Number of Subscribers in Each Zone

Province	VinaPhone (5 Aug. 98)	MobiFone (Sep. 98)	Call Link (30 June 98)	Total	Remarks
North Total	24,147	32,289	0	56,436	
South Total	19,801	116,379	13,610	149,790	
Central Total	4,405	4,614	0	9,019	
Total	48,353	153,282	13,610	215,245	

Table 3 Number of Subscribers in North Zone

Province	VinaPhone (5 Aug. 98)	MobiFone (Sep. 98)	Call Link (30 June 98)	Total	Remarks
Ha Noi	15,042	24,897		39,939	
Hai Phong	2,147	3,019		5,166	
Ha Giang	85			85	
Tuyen Quang	63			63	
Cao Bang	110			110	
Lang Son	545	94		639	
Lai Chau	78			78	
Yen Bai	68			68	
Lao Cai	156			156	
Bac Can	44			44	
Thai Nguyen	246	165		411	
Son La	87			87	
Phu Tho	305	165		470	
Vinh Phuc	221	165		386	Vinh Yen
Bac Giang	203	171		374	
Bac Ninh	338	171		509	
Quang Ninh	1,369	1,456		2,825	
Ha Tay	179	216		395	Ha Dong
Hoa Binh	89			89	
Hai Duong	384	218		602	
Hung Yen	134	152		286	
Thai Binh	289	165		454	
Ha Nam	151	190		341	
Nam Dinh	362	190		552	
Ninh Binh	177	171		348	
Thanh Hoa	299	207		506	
Nghe An	775	258		1,033	
Ha Tinh	110	129		239	
Quang Binh	91	90		181	Dong Hoi
North Total	24,147	32,289	0	56,436	

Table 4 Number of Subscribers in Central Zone

Province	VinaPhone (5 Aug. 98)	MobiFone (Sep. 98)	Call Link (30 June 98)	Total	Remarks
Da Nang	1,281	1,581		2,862	
Quang Tri	106	98		204	
T. Thien Hue	224	427		651	
Quang Nam	195	85		280	
Quang Ngai	326	85		411	
Binh Dinh	246	418		664	Qui Nhon
Phu Yen	221	70		291	
Khanh Hoa	827	838		1,665	Nha Trang
Gia Lai	265	418		683	
Kon Tum	29	176		205	
Dak Lak	685	418		1,103	
Central Total	4,405	4,614	0	9,019	

Table 5 Number of Subscribers in South Zone

Province	VinaPhone (5 Aug. 98)	MobiFone (Sep. 98)	Call Link (30 June 98)	Total	Remarks
Ho Chi Minh	8,546	100,234	13,610	122,390	
Lam Dong	552	327		879	Da Lat
Binh Duong	821	631		1,452	
Binh Phuoc	191	608		799	
Ninh Thuan	223	409		632	Phan Rang
Binh Thuan	313	409		722	Phan Thiet
Tay Ninh	552	362		914	
Dong Nai	1,701	4,136		5,837	Bien Hoa
Long An	263	269		532	
Dong Thap	401	362		763	
An Giang	923	327		1,250	Long Xuyen
Tien Giang	387	32		419	
Ben Tre	257	502		759	
Can Tho	1,332	1,133		2,465	
Soc Trang	391	526		917	
Vinh Long	382	608		990	
Tra Vinh	288	514		802	
Kien Giang	416	491		907	Rach Gia
Bac Lieu	408	409		817	
Ca Mau	605	409		1,014	
Ba Ria Vung Tau	849	3,681		4,530	
South Total	19,801	116,379	13,610	149,790	

Table 6 Number of Subscribers by Province

Province	31 Dec. 1998	30 June 1999	Province	31 Dec. 1998	30 June 1999
Ha Noi	43,746	50,126	T. Thien Hue	794	919
Hai Phong	5,020	6,061	Quang Nam	365	419
Ha Giang	112	126	Quang Ngai	433	497
Tuyen Quang	80	102	Binh Dinh	937	1,052
Cao Bang	154	203	Phu Yen	387	442
Lang Son	933	2,059	Khanh Hoa	1,844	2,097
Lai Chau	106	134	Gia Lai	585	655
Yen Bai	100	115	Kon Tum	254	277
Lao Cai	220	274	Dak Lak	1,018	1,288
Bac Can	66	97	Ho Chi Minh	143,446	160,122
Thai Nguyen	337	518	Lam Dong	673	793
Son La	107	123	Binh Duong	1,360	1,721
Phu Tho	388	500	Binh Phuoc	229	267
Vinh Phuc	254	350	Ninh Thuan	293	343
Bac Giang	353	435	Binh Thuan	377	511
Bac Ninh	498	695	Tay Ninh	835	1,050
Quang Ninh	2,615	2,521	Dong Nai	2,921	3,530
Ha Tay	299	591	Long An	433	548
Hoa Binh	124	129	Dong Thap	855	1,047
Hai Duong	472	706	An Giang	1,679	2,222
Hung Yen	171	225	Tien Giang	746	1,070
Thai Binh	332	408	Ben Tre	287	338
Ha Nam	212	430	Can Tho	2,538	2,998
Nam Dinh	494	687	Soc Trang	558	755
Ninh Binh	348	324	Vinh Long	639	776
Thanh Hoa	435	489	Tra Vinh	324	420
Nghe An	1,064	1,140	Kien Giang	929	1,220
Ha Tinh	166	222	Bac Lieu	624	823
Quang Binh	186	146	Ca Mau	1,020	1,326
Da Nang	3,572	4,100	Ba Ria Vung Tau	3,380	2,411
Quang Tri	275	320	Total	234,032	266,293

2. Paging Service

Table 7 Radio Paging Service Providers

Provider	1997 (December)	1998 (30 June)	Remarks
Vietnam Paging Center	32,088	37,190	
Phone Link	23,386	23,432	
Epro	1,400	14,000	
MCC	14,290	15,355	
Ha Noi ABC	12,124	12,661	
Saigon ABC	23,718	24,236	
Total	109,003	126,874	

Table 8 Number of Internet Users by Province

Province	31 Dec. 1998	30 June 1999	Province	31 Dec. 1998	30 June 1999
Ha Noi	5,355	9,380	T. Thien Hue	150	275
Hai Phong	202	361	Quang Nam	31	62
Ha Giang	7	17	Quang Ngai	2	32
Tuyen Quang	1	1	Binh Dinh	17	61
Cao Bang	1	1	Phu Yen	12	32
Lang Son	1	5	Khanh Hoa	179	330
Lai Chau	1	1	Gia Lai	7	22
Yen Bai	0	3	Kon Tum	2	17
Lao Cai	2	4	Dak Lak	52	98
Bac Can	1	2	Ho Chi Minh	10,816	16,655
Thai Nguyen	9	12	Lam Dong	101	203
Son La	1	2	Binh Duong	76	199
Phu Tho	3	6	Binh Phuoc	1	9
Vinh Phuc	3	6	Ninh Thuan	9	16
Bac Giang	6	20	Binh Thuan	18	36
Bac Ninh	3	5	Tay Ninh	19	43
Quang Ninh	27	61	Dong Nai	187	380
Ha Tay	14	26	Long An	19	33
Hoa Binh	1	1	Dong Thap	14	27
Hai Duong	4	13	An Giang	7	66
Hung Yen	1	2	Tien Giang	22	47
Thai Binh	1	3	Ben Tre	3	17
Ha Nam	6	9	Can Tho	127	245
Nam Dinh	3	11	Soc Trang	4	21
Ninh Binh	2	6	Vinh Long	3	16
Thanh Hoa	4	10	Tra Vinh	2	36
Nghe An	31	66	Kien Giang	43	85
Ha Tinh	3	6	Bac Lieu	2	22
Quang Binh	4	16	Ca Mau	9	31
Da Nang	337	559	Ba Ria Vung Tau	191	384
Quang Tri	11	27	Total	18,170	30,142

Appendix I-3-2 Tariff

1. Cellular Mobile Service

Table 1 Tariff of Cellular Mobile Service

Unit: VND

Category			Charge (VND)
Connection Charge			1,500,000
Monthly Charge			250,000
Communication Charge	Within a Zone		1,800/min
	Adjacent Zone	Zone1-Zone3	3,200/min
		Zone3-Zone2	3,200/min
	Long Distance	Zone1-Zone2	4,600/min
International			1,800/min + IDD charge

Note: as of August 1998, 22:00 – 5:00: 50 % discount

Source: DGPT

2. Paging Service

Table 2 Tariff of Paging Service

Unit: VND

Category		Charge
Connection Charge		1,100,000
Monthly Charge	Ha Noi, Ho Chi Minh	80,000
	Other areas	105,000

Source: DGPT

3. Packet Service

Table 3 Tariff of Packet Services (1/2)

Unit: VND

Category			Cable Construction	Equipment Installation	Software & Test	Total
X.28 Direct-Access	Ha Noi, Da Nang		6,500,000	2,000,000	1,000,000	9,500,000
	Ho Chi Minh		9,500,000	2,000,000	1,000,000	12,500,000
X.28 Dialup-Access	Ha Noi, Da Nang		3,500,000	200,000	1,000,000	4,700,000
	Ho Chi Minh		6,500,000	200,000	1,000,000	7,700,000
X.25 Direct-Access	Ha Noi	2400-4800 bps	9,000,000	3,000,000	-	12,000,000
		Da Nang	9,500,000	4,300,000	-	13,800,000
	Ho Chi Minh	2400-4800 bps	12,000,000	3,000,000	-	15,000,000
		9600-64000bps	12,500,000	4,300,000	-	16,800,000

Note: as of August 1998

Source: DGPT

Table 4 Tariff of Packet Services (2/2)

Type of Service		Speed	Monthly Charge	Same Area (VDN)	Long distance (VND)	International (US\$)	
X.28 Interface	Direct-Access (Domestic, International)	300 bps	150,000	50/min + 20/10seg	500/min + 300/10seg	0.2/min + 0.14/10seg	
		1200 bps	163,000				
		2400 bps	210,000				
		4800 bps	258,000				
	Dialup-Access (Domestic, International)	9600 bps	305,000	Same as ordinary telephone	50/min + 20/10seg	1,200/min + 300/10seg	0.5/min + 0.14/10seg
		300 bps					
		1200 bps					
		2400 bps					
		4800 bps					
		9600 bps					
X.25 Interface	Direct-Access (Domestic, International)	2400 bps	224,000	50/min + 20/10seg	500/min + 300/10seg	0.2/min + 0.14/10seg	
		4800 bps	321,000				
		9600 bps	460,000				
		19200 bps	750,000				
		48000 bps	1,219,500				
		64000 bps	1,500,000				

as of August 1998
Source: DGPT

4. Internet

Table 5 Internet Service Charges

Unit: VND

Category	Direct Access via dedicated line	Dial-up Access	Remarks
Installation Charge	5,000,000	450,000	
Monthly Charge (including port rental)	-	50,000	
64 kbps port at international gateway system	45,000,000	-	
Higher than 64 kbps port at international gateway system	N x K x 45,000,000	-	
Duration Charge	-	400 (*1)	*1: plus extra charge for telephone charge

Source: DGPT

5. Domestic Leased Line

Table 6 Installation Charge of Domestic Leased Line

Unit: US\$

Service Menu		Cable/Terminal	Radio/Terminal
Voice Channel		550	-
Data Channel (Low Speed)	Up to 9600 bps	550	-
	9600 bps	1,550	1,500
	64kbps or higher	2,300	2,700

Source: DGPT

Table 7 Tariff of Domestic Leased Line

Unit: US\$

Service Menu		Monthly Charge	Remarks
Intra-city	Low speed	Up to 64 kbps	450
	High speed	64 kbps	660
		128 kbps	1,070
		256 kbps	1,680
		384 kbps	2,090
		1544 kbps	5,400
		2048 kbps	6,280

Source: DGPT

Table 8 Monthly Charge of Long Distance Leased Line

Unit: 1000 VDN

Speed	- 20 km	20 - 50 km	50 - 100 km	100 - 400 km	400 - 800 km	800 - 1200 km	1200 - 1800 km	1800 km -
up to 64 kbps	2,820	3,900	4,680	6,600	10,500	14,040	19,500	23,400
64 kbps	4,738	6,552	7,862	11,088	17,640	23,587	32,760	39,312
128 kbps	7,614	10,530	12,636	17,820	28,350	37,408	52,650	69,180
256 kbps	11,956	16,598	19,843	27,984	44,520	59,529	82,680	99,216
384 kbps	14,889	20,592	24,710	34,848	55,440	74,131	102,960	123,592
1544 kbps	38,352	53,040	63,648	89,760	142,800	190,944	265,200	318,864
2048 kbps	44,640	61,797	74,084	104,478	166,215	222,253	308,685	370,422

Source: DGPT

6. International Leased Line

Table 9 Installation Charge of International Leased Line

Unit: US\$

Category	Installation Charge
Up to 64 kbps	1,200
64 kbps or higher	2,300

Source: DGPT

Table 10 Monthly Charge of International Leased Line

Unit: US\$

Category		Monthly Charge	Remarks
Telephone	M1040 class	Telephone	5,670
		Tel. & Data	6,660
	M1020 class		6,800
Telex (200 baud)	Simplex	2,268	
	Duplex	3,402	
Data (Low Speed)	300 bps	2,268	
	1200 bps	2,835	
	2400 bps	3,685	
	4800 bps	4,536	
	9600 bps	6,464	
Data (High Speed)	56 kbps	9,500	
	64 kbps	9,500	
	128 kbps	15,375	
	192 kbps	19,391	
	256 kbps	24,058	
	384 kbps	29,940	
	512 kbps	37,126	
	786 kbps	45,664	
	1024 kbps	55,711	
	1152 kbps	67,410	
	1544 kbps	77,180	
2048 kbps	89,800		

Source: DGPT

Appendix I-5-1 Circuit Matrix of VTN Network

(1/3)

Province	Level	Eq. type	Location	Area	HNI	HNI	DNG	HCM	HCM	HCM	HNI	HNI	HNI	HNI	HNI	HEH	LCI	LSN	BSH	BGG	CBG	TNN	BCN	PTO
				Abbr	HNI	HNI	DNG	HCM	HCM	HBTAN	DTHG	HVG	TLM	TDH	DCA	HSB	LCI	LSN	BSH	BGG	CBG	TNN	BCN	VPU
HNI	Toi	ASE-10	HNI	HNI	136	309	559	491			901	246	215	150	133	73	30	71	90	73	30	68	15	88
HNI	Toi	DX-10	HNI	HNI	166	127		153			444	105	90	105	165	30	30	45	30	30	15	45	15	75
DNG	Toi	ASE-10	DNG	DNG	209	122		619																
HCM	Toi	ASE-10	HCM	HCM	559	153		619			990													
HCM	Toi	DX-10	HCM	HCM	491	153		273			810													
HCM	Tan-Son	EWSD	HCM	HBTAN				780	660															
HNI	LE	1900-E10	Dist. Tan-Hung	DTHG	804	414																		
HNI	LE	1200-E10	Hung Vuong	HVG	246	105																		
HNI	LE	1000-E10	Ta-Lien	TLM	215	90																		
HNI	LE	EWSD	Thuong-Dinh	TDH	150	105																		
HNI	LE	NEAX-61	Dinh-Son	DCA	133	105																		
HSH	LE	TDX-1B	TX-Hoa-Binh	HBH	35	29																		
LCI	LE	1900-E10	T-Lao-Cai	LCI	30	27																		
LSN	LE	TDX-1B	T-Lang-Son	LSN	21	45																		
BSH	LE	STAREX-VN	TX-Pac-Ngh	BSH	90	30																		
BGG	LE	TDX	TX-Pac-Quang	BGG	75	30																		
CBG	LE	TDX-1B	T-Cao-Bang	CBG	27	15																		
TNN	LE	TDX-1B	TP-Thai-Nguyen	TNN	84	45																		
BCN	LE	NEAX	T-Cao-Cao	BCN	15	15																		
VPU	LE	TDX-1B	TP-Viet-Viet	VPU	81	75																		
TQG	LE	TDX-1B	T-Tuyen-Quang	TQG	42	30																		
YBI	LE	TDX-1B	T-Yen-Pet	YBI	45	30																		
SLA	LE	TDX-1B	T-Sua-La	SLA	30	15																		
LCU	LE	STAREX-VN	TX-Dinh-Bon-Phi	LCU	15	15																		
HGG	LE	NEAX-61NS	T-Ha-Giang	HGG	25	15																		
HIY	LE	TDX-1B	T-Ha-Duong	HIY	90	210																		
HNM	LE	S-12	T-Ha-Nam	HNM	60	30																		
NDH	LE	TDX-1B	TP-Nam-Dinh	NDH	150	45																		
TBH	LE	TDX-1B	T-Thai-Binh	TBH	67	60																		
HDG	LE	TDX-1B	T-Hai-Duong	HDG	195	75																		
HPG	LE	DMS-100	TP-Hai-Phong	HPG	270	135																		
QNH	LE	TDX-1B	TP-Ha-Long	QNH	60	30																		
QSH	LE	1900-E10	Quang-Trinh	QSH	105	30																		
NBH	LE	TDX-1B	T-Ninh-Binh	NBH	30	60																		
TBA	LE	TDX-1B	TP-Thanh-Hoa	TBA	80	75		15	15															
NAN	LE	NEAX-61	TP-Vinh	NAN	140	45																		
HTH	LE	NEAX-61E	TX-Ha-Tinh	HTH	45	30																		
QBN	LE	NEAX-61	T-Dang-Hoa	QBN	15	15	60																	
QTI	LE	NEAX-61	T-Dang-Lia	QTI	15	45																		
YTH	LE	1000-E10	Thuan-Thao-Hue	YTH	30		308																	
DNG	LE	1200-E10	TP-Du-Nang	DNG			618																	
DNG	LE	1000-E10	KV-29	DNGH			309																	
QNM	LE	1000-E10	T-Tan-Ky	QNM			181																	
QNI	LE	NEAX-61E	T-Quang-Ngai	QNI			75	15	15															
BDH	LE	FELEX	TP-Quy-Nhon	QNN			120	45	30															
GLI	LE	ASE-10	T-Phan	GLI			105	15	15															
DLK	LE	ASE	TP-Pan-Ma-Thuan	DLK			135	30	45															
PYN	LE	FELEX-150	T-Tan-Hoa	PYN			60																	
KHA	LE	FELEX-150	TP-Nha-Trang	NTG			105	75	80															
KTM	LE	ASE-10	TK-Khoai-Mu	KTM			63	15																
LDG	LE	EWSD	TP-Da-Lat	DLT				67	61															
LDG	LE	EWSD	TK-Bao-Loc	BLC				45	45															
BTN	LE	S-12	T-Nam-Triet	NTI				120	60															
NTN	LE	S-12	T-Phan-Rang	PRG			15	15	45															
HCM	LE	E10-OCB	KV-Hai-Thuong	HBTIE				649	235															
HCM	LE	E10-OCB	Binh-Tranh	BTH			15																	
DNI	LE	E10-UT	TP-Binh-Mu	BHA				240	243															
BDQ	LE	EWSD	T-Thu-Dau-Mai	SBE				158	139															
TNH	LE	EWSD	T-Tay-Ninh	TNH				75	71															
VTU	LE	1000-E10	TP-Viet-Tam	VTU				463	253															
LAN	LE	EWSD	T-Tan-An	LAN				90	90															
TQG	LE	EWSD	TP-Mỹ-Tho	MTO				130	100															
BTE	LE	TDX-1B	T-Binh-Trie	BTE				80	62															
TVH	LE	TDX-1B	T-Tan-Vinh	TVH				65	45															
VLG	LE	EWSD	T-Vinh-Lang	VLG				90	52															
CIO	LE	1000-E10	TP-Cao-Tho	CIO				246	43															
QTP	LE	S-12	T-Cao-Lanh	CLH				105	40															
AGG	LE	TDX-1B	T-Lang-Xuyen	LXN				135	80															
KGG	LE	TDX-1B	T-Rach-Gia	RGA				70	60															
CMU	LE	TDX-1B	T-Ca-Mau	CMU				55	60															
BLU	LE	EWSD	T-Dec-Lieu	BLU				60	15															
STG	LE	FELEX-150	T-Soc-Trang	STG				30	47															

Appendix 1-5-1 Circuit Matrix of VTN Network

Level	TQG	YBI	SLA	LCU	HGG	HTY	HNM	NDH	TBH	HOG	HPG	QNH	QSH	NBH	THA	NAN	HTH	QBN	QTL	TTH	DNG	DNG	QNM	QNI	BQH	GLI	DLC
Abbr	TQG	YBI	SLA	LCU	HGG	HTY	HNM	NDH	TBH	HOG	HPG	QNH	QSH	NBH	THA	NAN	HTH	QBN	QTL	TTH	DNG	DNG	QNM	QNI	QNN	GLJ	DLK
FNI	45	42	30	15	30	210	60	150	123	195	200	60	105	60	130	160	45	15	15	30							
FNI	30	30	15	12	15	90	30	75	60	75	75	30	30	30	45	45	30	60	75	30	618	309	181	105	150	105	195
DNG																											
HCM																											
HCM																											
BTM																											
DTHG																											
HVG																											
TLM																											
TBH																											
DCA																											
HBH																											
LCI																											
LSN																											
BNH																											
DGG																											
CBG																											
ISN																											
BCN																											
VPU																											
TQG																											
YBI																											
SLA																											
LCU																											
HGG																											
HTY																											
HNM																											
NDH																											
TBH																											
HOG																											
HPG																											
QNH																											
QSH																											
NBH																											
THA																											
NAN																											
HTH																											
QBN																											
QTL																											
TTH																											
DNG																											
DNG																											
QNM																											
QNI																											
QNN																											
GLI																											
DLK																											
FXN																											
NTG																											
XTM																											
DLT																											
BLC																											
PTI																											
PRG																											
HBT																											
BTH																											
BHA																											
SBE																											
ENH																											
VIU																											
LAN																											
MIO																											
BTE																											
TVH																											
YLG																											
CTO																											
CLH																											
LNN																											
RGA																											
CMJ																											
BLU																											
STG																											

Appendix I-5-1 Circuit Matrix of VTN Network

(3/3)

Level	PYN	KHA	KTM	LDG	LDG	BTN	NTN	HCM	HCM	DNI	BOG	TNH	VTU	LAN	TGG	BTE	TVH	VLG	CIO	DTP	AGG	KGG	CMU	BLU	STG
Abbr	PYN	NTG	KTM	DUT	BLC	PLI	PRG	HBT-E	BTH	BHA	SBE	TNH	VTU	LAN	MIO	BTE	TVH	VLG	CIO	CIH	LXN	RGA	CMU	BLU	STG
HBT-W																									
DTBG																									
HVG																									
LLM																									
LDH																									
DCA																									
HBT																									
HBT																									
LCI																									
LSN																									
BNH																									
BGG																									
CBG																									
FSS																									
BCN																									
VPU																									
TGG																									
YBI																									
SLA																									
LCU																									
HGG																									
HIY																									
HNM																									
NGH																									
TEH																									
HOG																									
HFG																									
QNH																									
QNH																									
NBR																									
THA																									
NAN																									
HTB																									
QSN																									
QH																									
YTB																									
DNG																									
DNGZ																									
QNM																									
QNI																									
QSN																									
GLI																									
DKK																									
PYN																									
NTG																									
KTM																									
DLT																									
BLC																									
PLI																									
PRG																									
HBT-E																									
BTH																									
BHA																									
SBE																									
TNH																									
VTU																									
LAN																									
MIO																									
BTE																									
TVH																									
VLG																									
CIO																									
CIH																									
LXN																									
RGA																									
CMU																									
BLU																									
STG																									

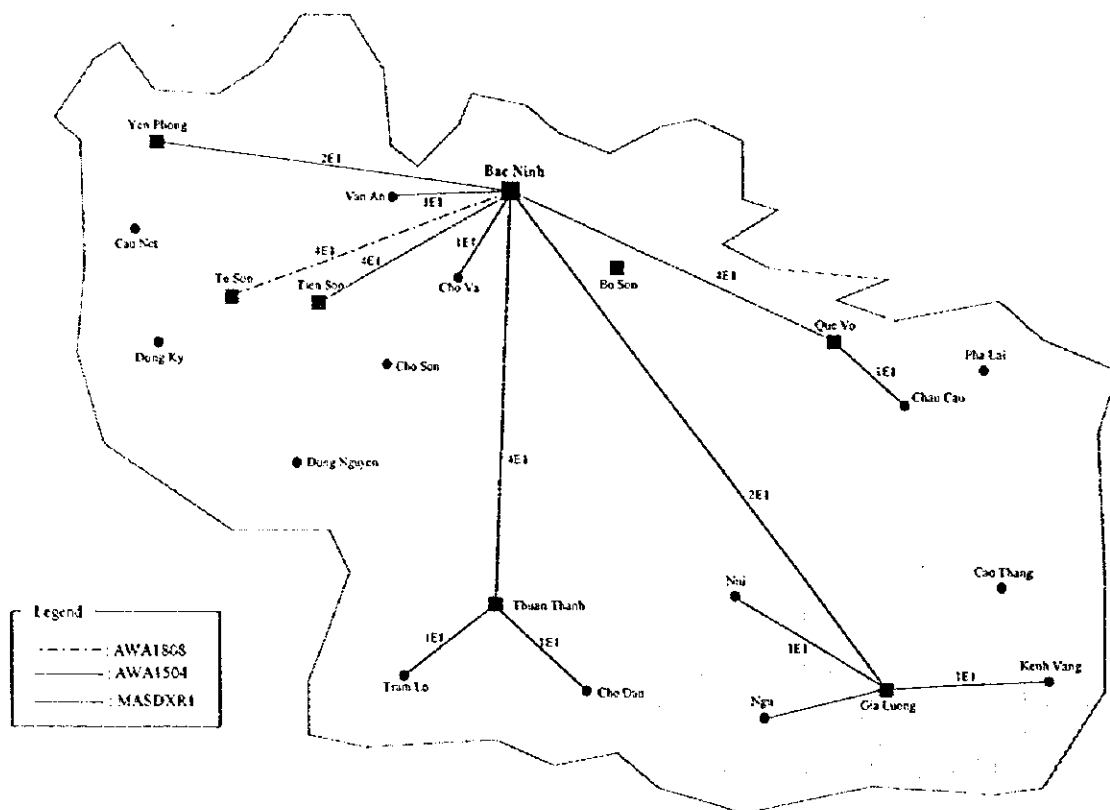
Appendix I-5-2 Intra-Provincial Network as of June 1998

Province in alphabetical order

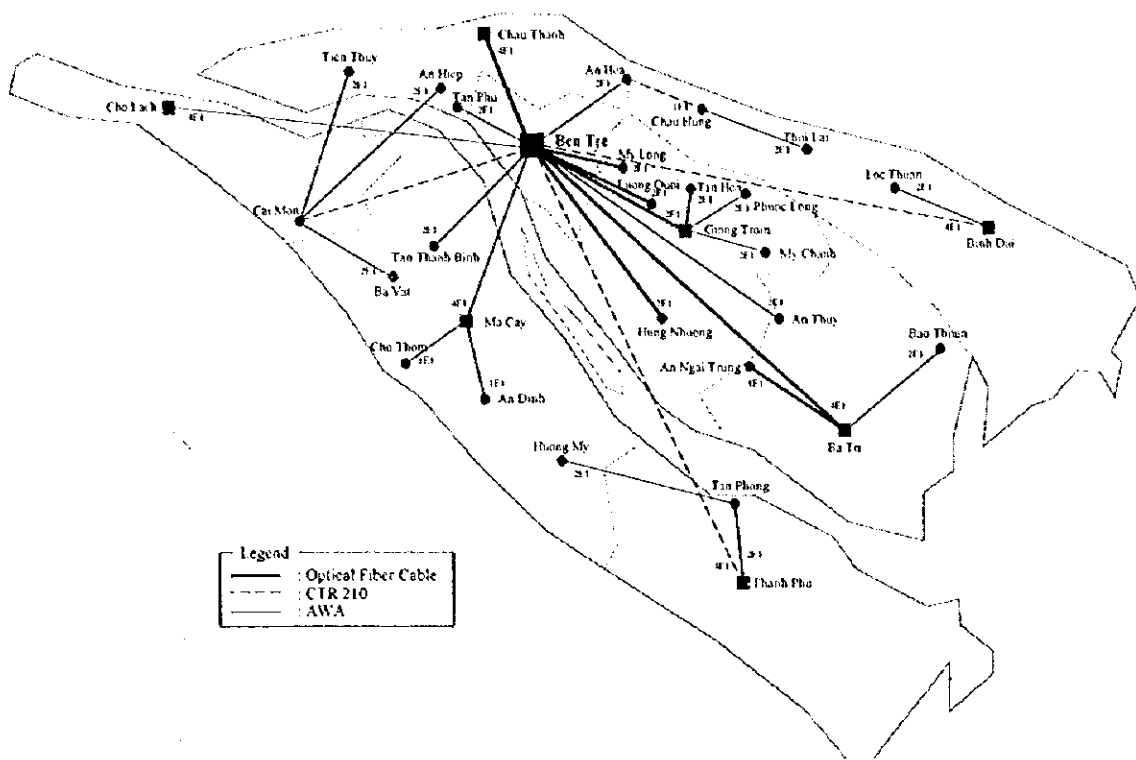
- 1 Intra-provincial Network in Bac Ninh Province
- 2 Intra-provincial Network in Ben Tre Province
- 3 Intra-provincial Network in Kon Tum Province
- 4 Intra-provincial Network in Phu Tho Province
- 5 Intra-provincial Network in Quang Tri Province
- 6 Intra-provincial Network in Thua Thien Hue Province

[Note]

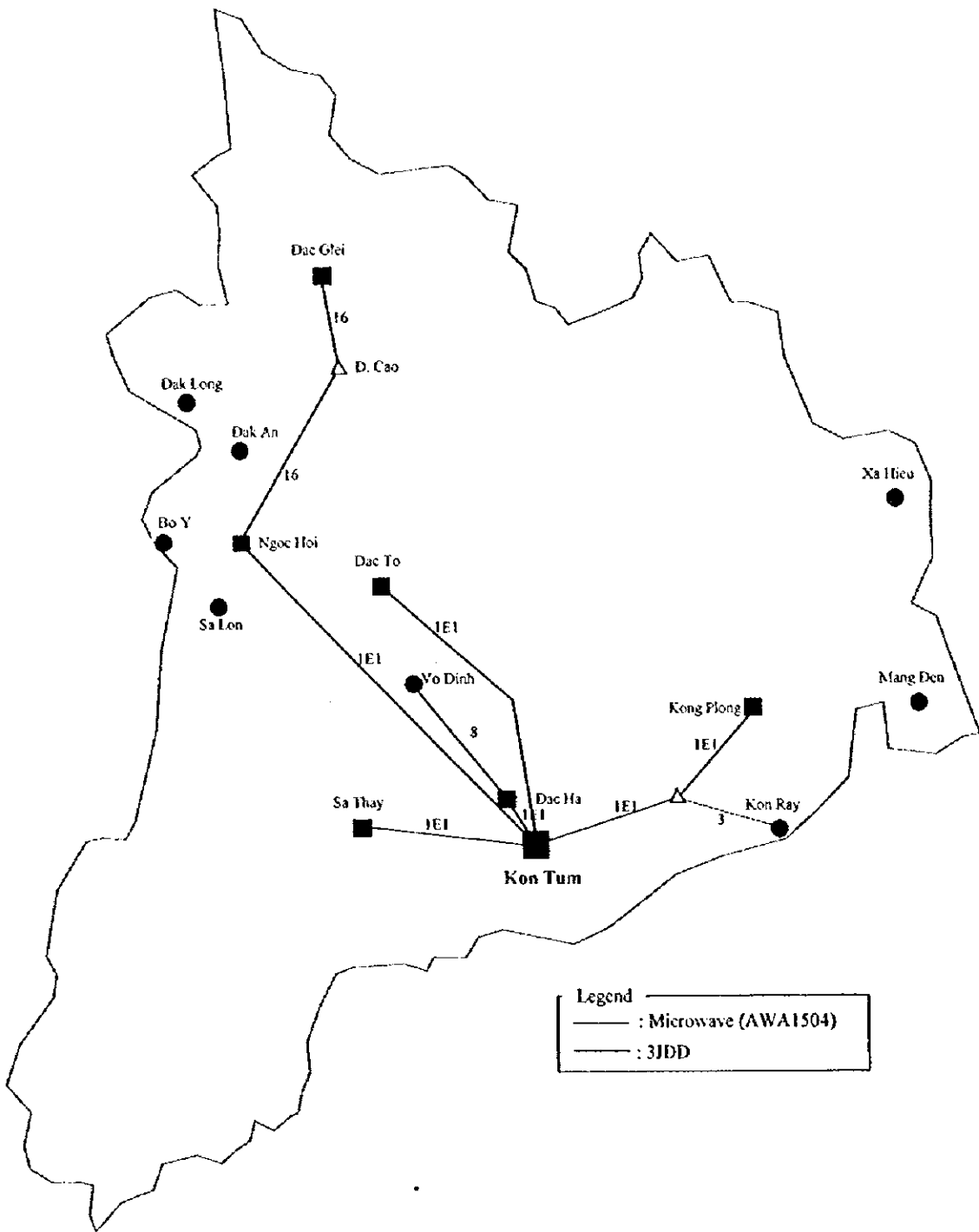
- : Provincial Capital
- : District Capital or Major City/Town
- : Town or Commune (Point of town/commune is not accurate.)



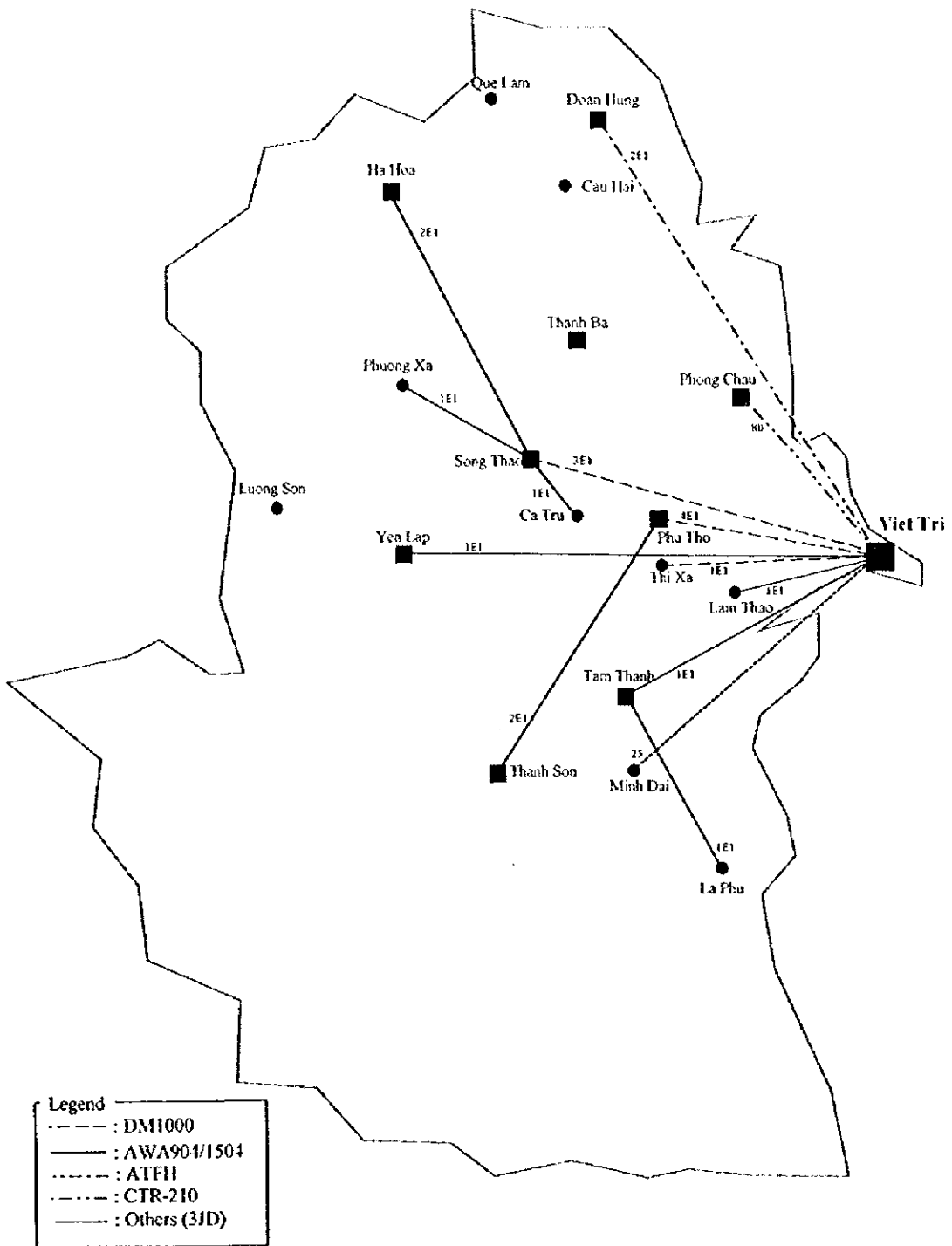
Intra-Provincial Network in Bac Ninh Province



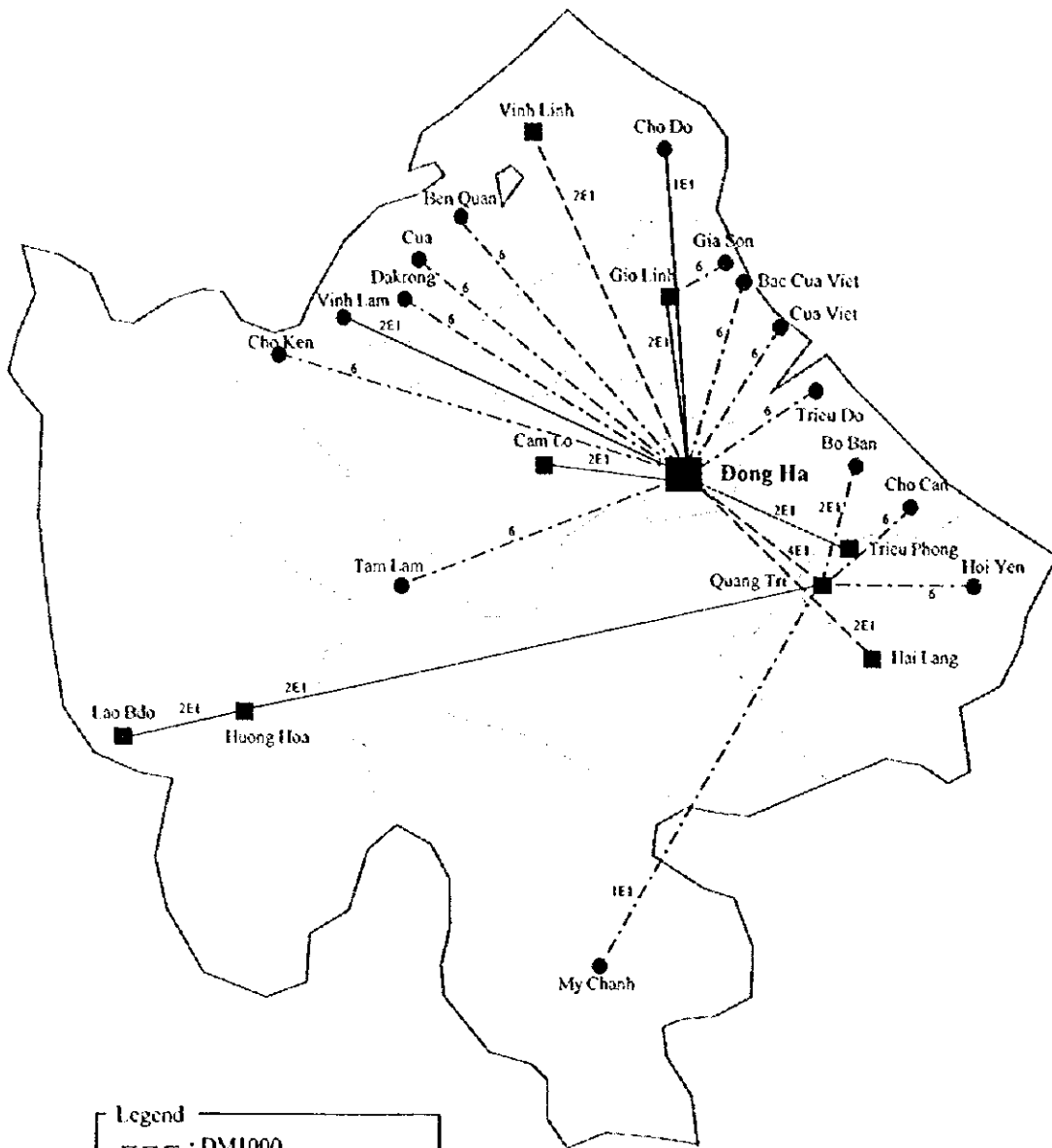
Intra-Provincial Network in Ben Tre Province



Intra-Provincial Network in Kon Tum Province

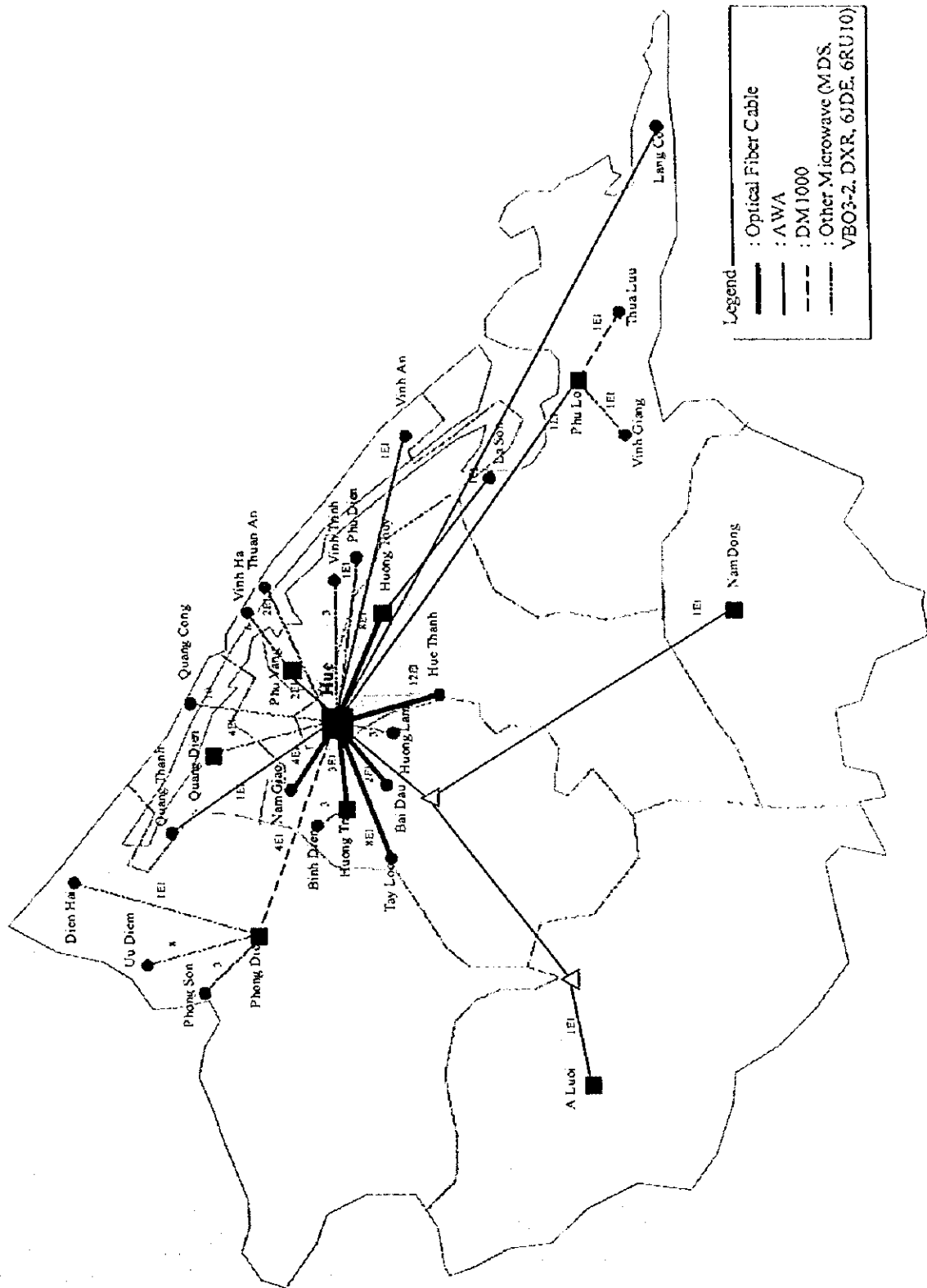


Intra-Provincial Network in Phu Tho Province



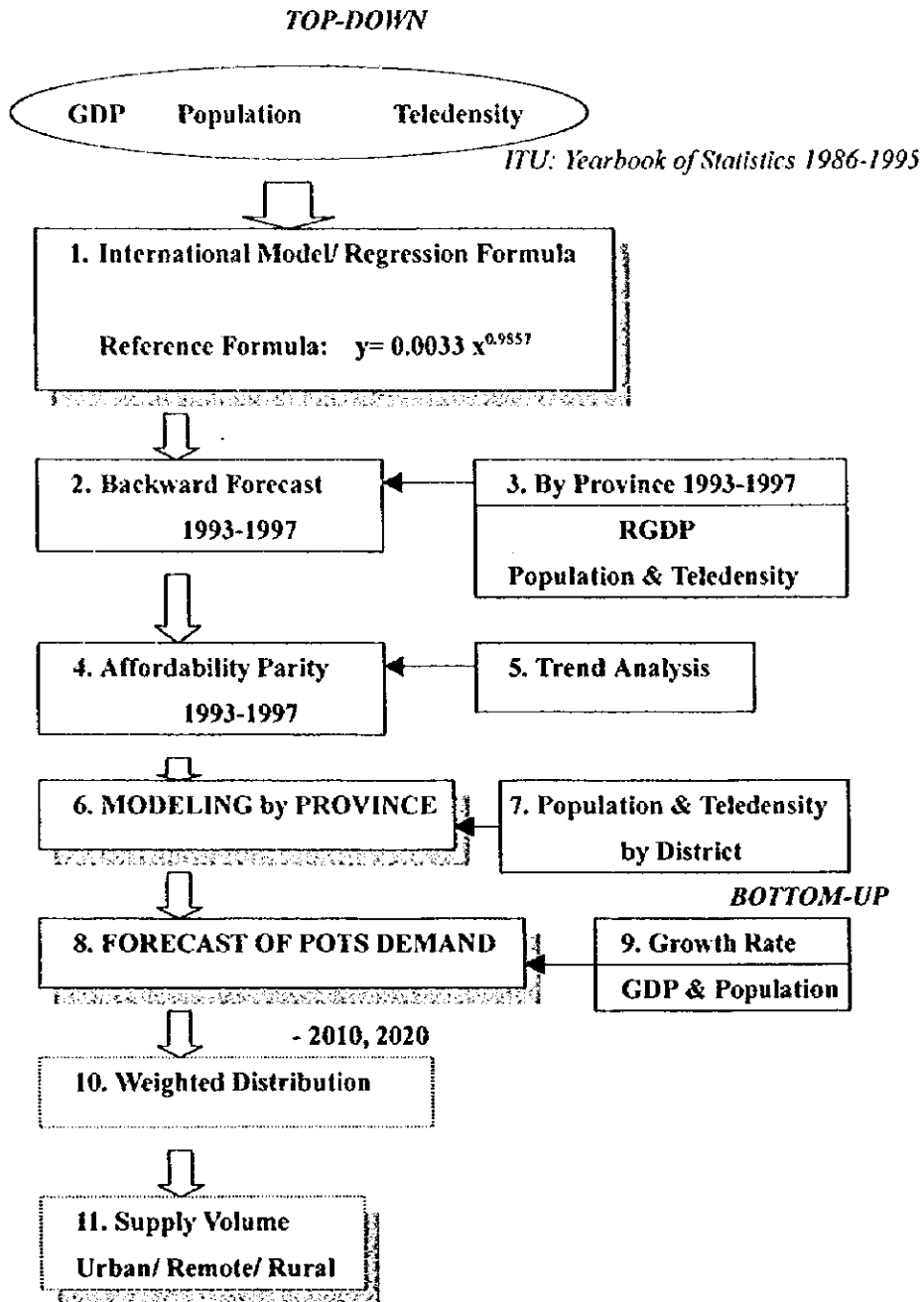
Legend	
---	: DM1000
—	: AWA
.....	: MDS
- . - . -	: DXR

Intra-Provincial Network in Quang Tri Province

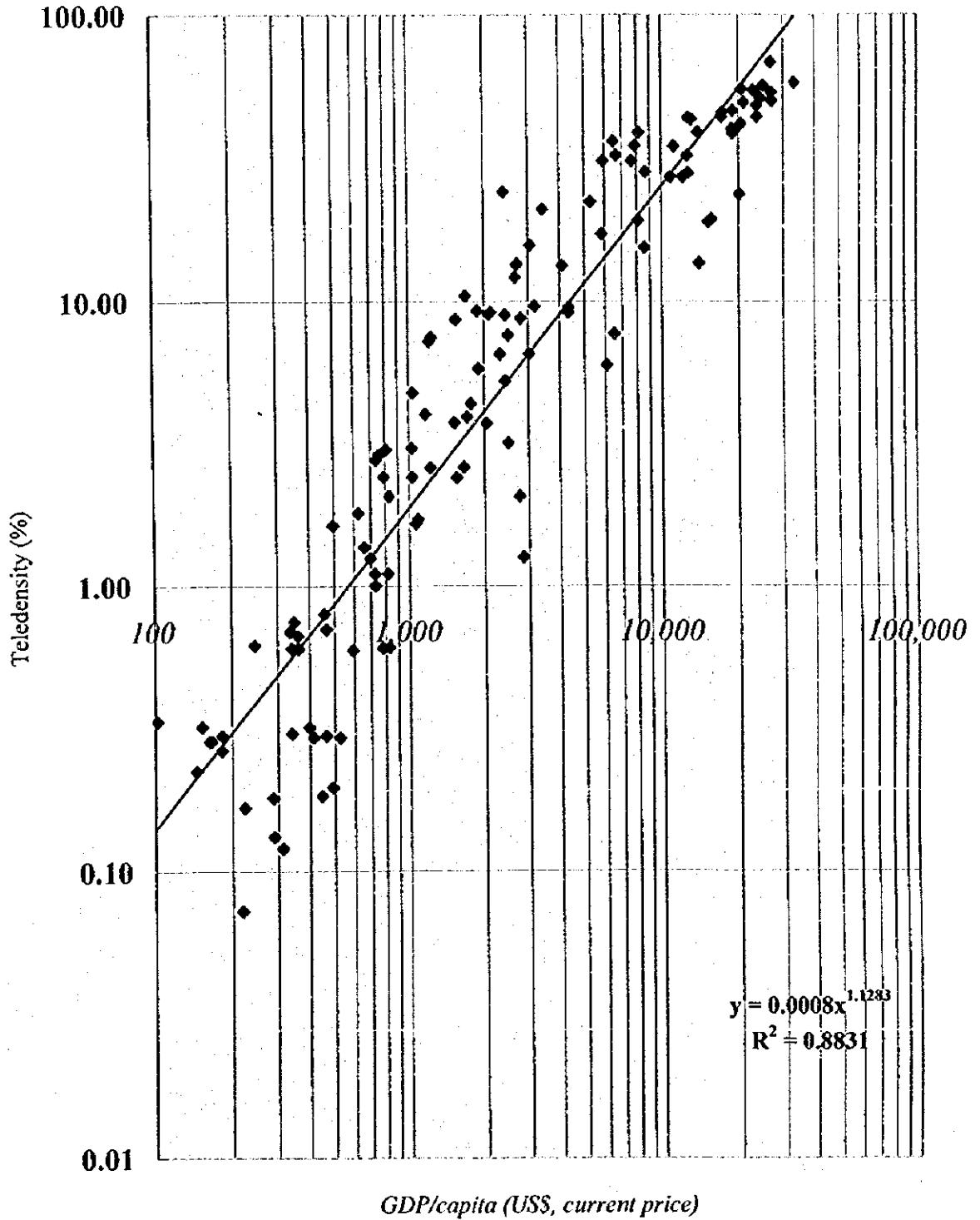


Intra-Provincial Network in Thua Thien Hue Province

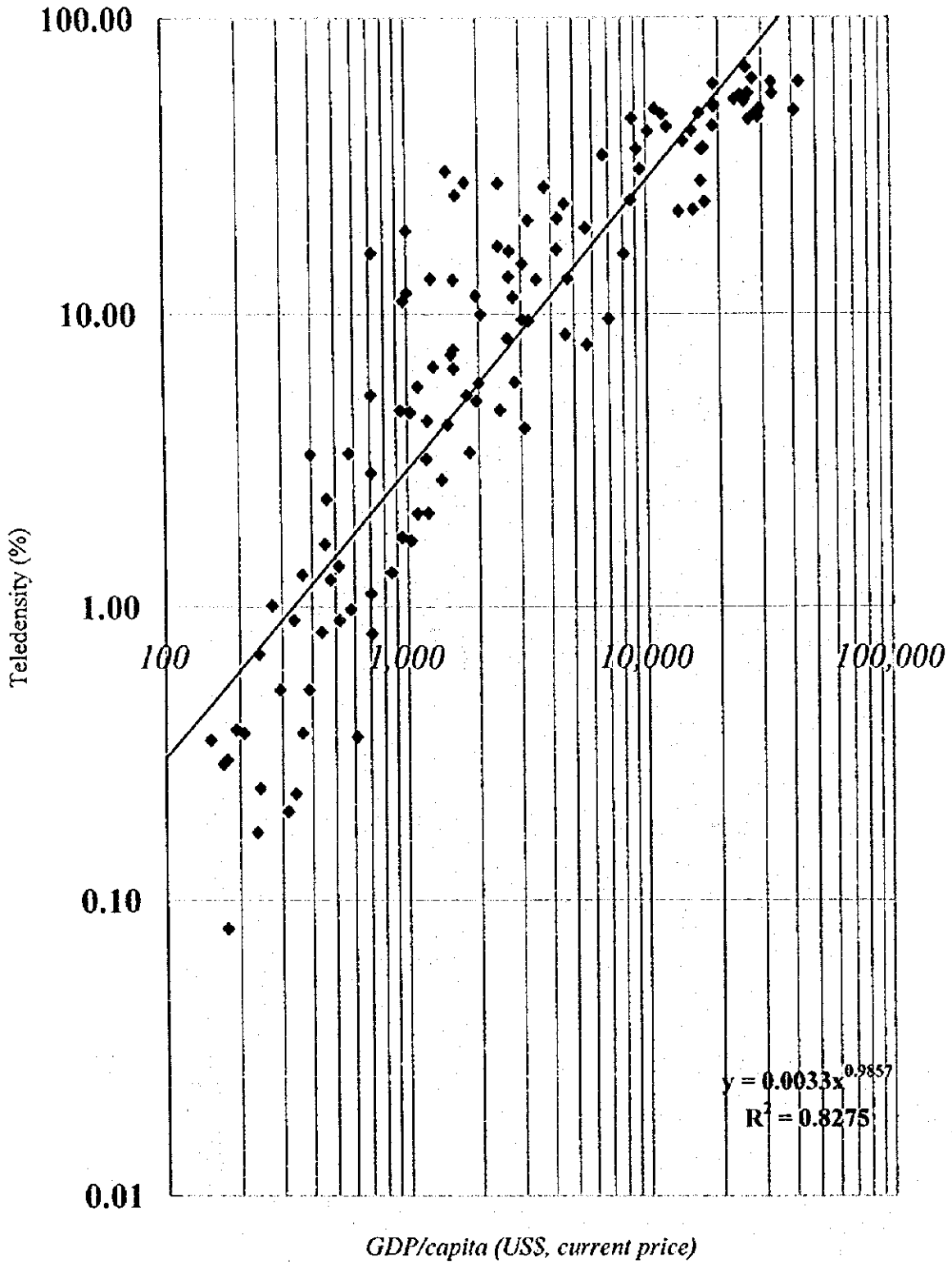
Appendix I-7-1 Method of Approach for POTS Forecast



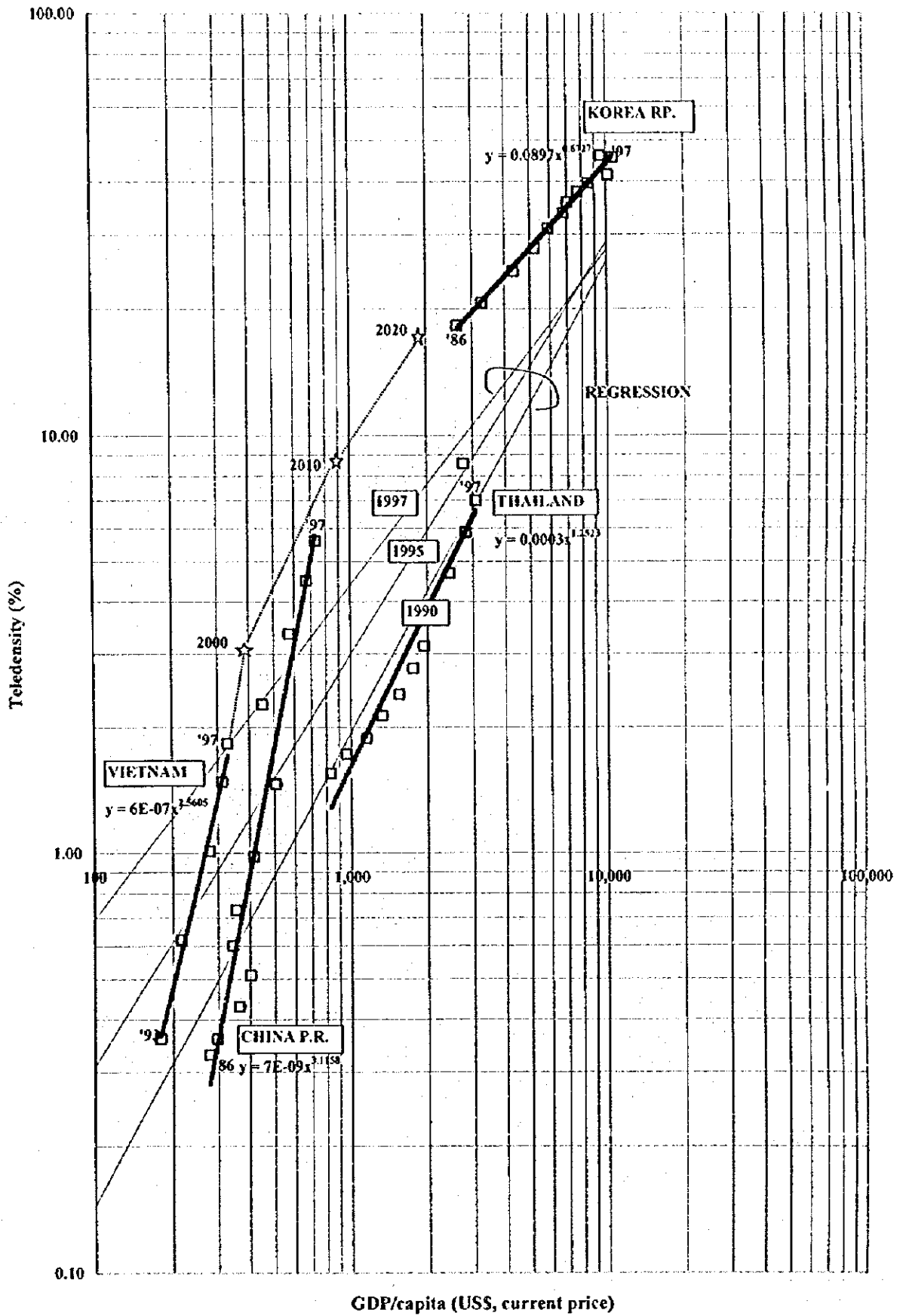
Appendix I-7-2 (1/2) GDP/capita vs. Teledensity (126 Economies 1990)



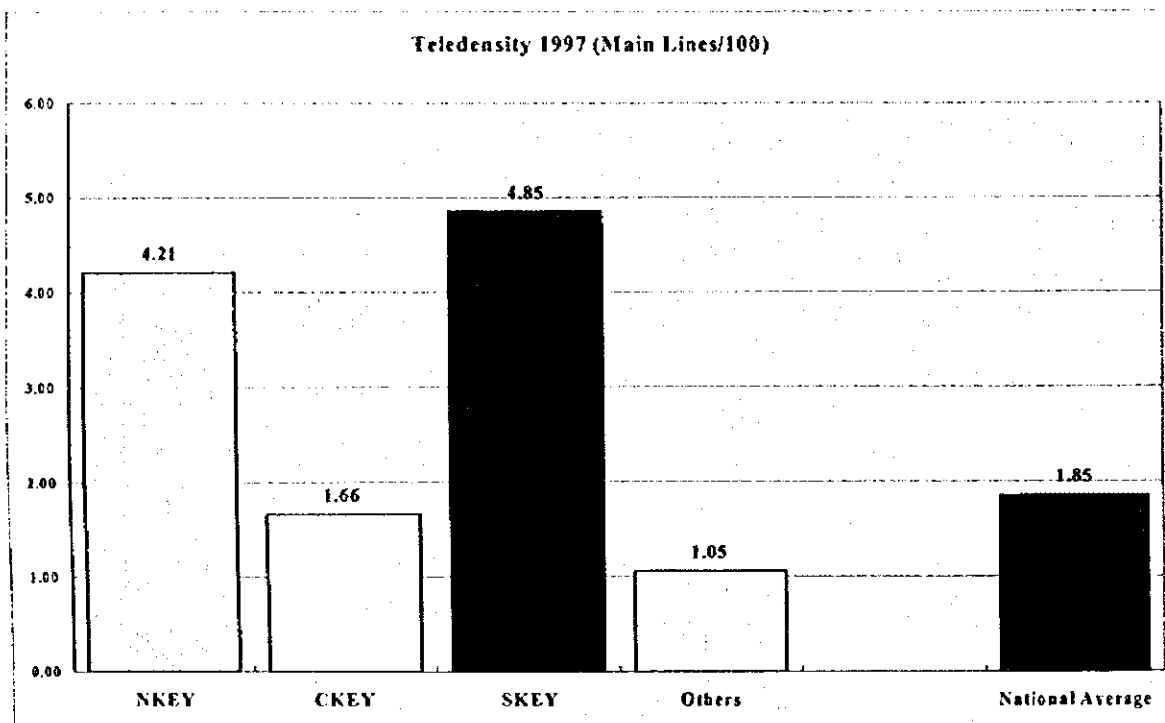
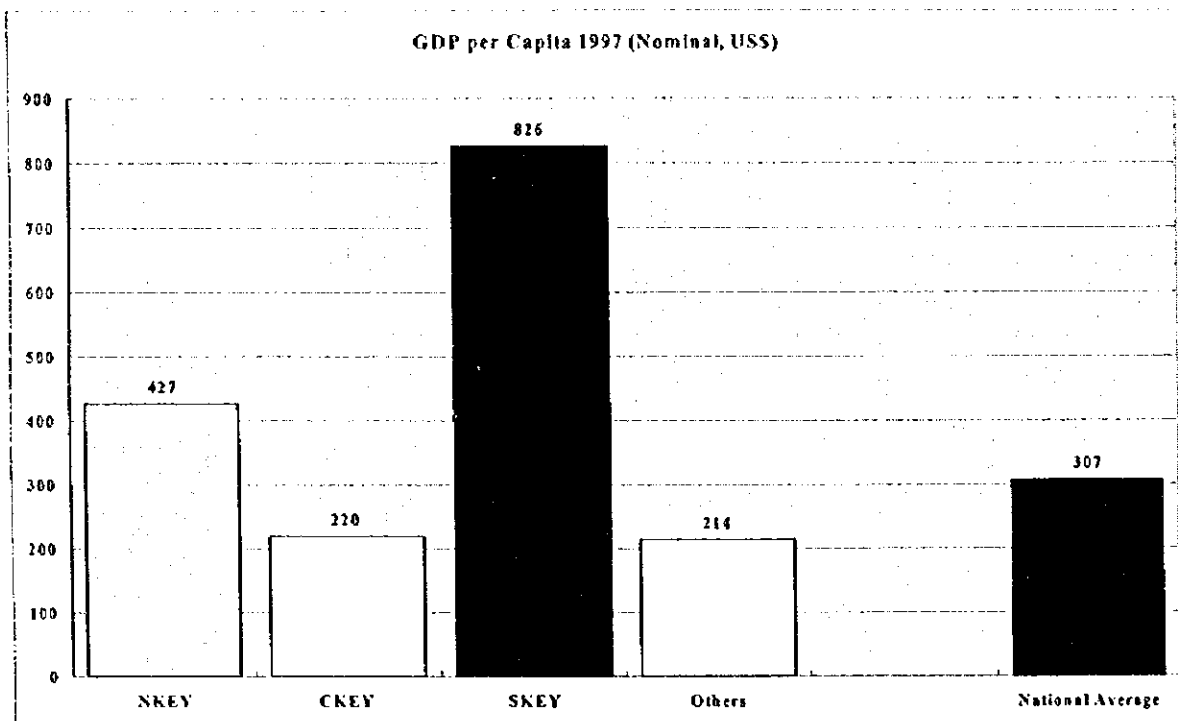
Appendix I-7-2 (2/2) GDP/capita vs. Teledensity (125 Economies 1995)



Appendix I-7-3 Time-Series GDP/capita vs. Teledensity
in Comparison with 1990-1995-1997 Regressions



Appendix I-7-4 Urban-Rural Disparity 1997



Appendix I-7-5 (1) Development of POTS in Key Economic Regions

Main/Scenario 3

Teledensity Scenario 3 : GDP Average Growth Rate 10%

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Northern Key Economic Region															
1 HA NOI*	1.94	3.75	6.19	8.81	10.49	12.48	13.49	14.36	15.72	17.15	18.68	20.35	22.16	24.16	26.55
2 HAI PHONG*	0.41	0.65	1.11	1.55	1.99	2.67	3.31	3.98	4.82	5.69	6.59	7.52	8.48	9.49	10.57
3 Quang Ninh	0.60	0.91	1.53	2.15	2.53	3.16	3.49	3.78	4.21	4.65	5.13	5.64	6.20	6.82	7.50
4 Hai Duong	0.18	0.27	0.44	0.61	1.02	1.30	1.53	1.78	2.13	2.52	2.96	3.45	4.00	4.62	5.30
5 Hung Yen					0.57	0.81	0.89	0.97	1.08	1.19	1.31	1.44	1.59	1.74	1.92
<i>Region Average</i>	<i>0.80</i>	<i>1.46</i>	<i>2.42</i>	<i>3.45</i>	<i>4.21</i>	<i>5.16</i>	<i>5.75</i>	<i>6.30</i>	<i>7.08</i>	<i>7.90</i>	<i>8.78</i>	<i>9.72</i>	<i>10.75</i>	<i>11.87</i>	<i>13.09</i>
Central Key Economic Region															
1 DA NANG*	0.51	0.72	1.10	1.47	4.37	5.43	6.43	7.25	8.24	9.21	10.20	11.25	12.37	13.60	14.94
2 Quang Nam					0.73	1.01	1.19	1.36	1.57	1.79	2.01	2.24	2.48	2.74	3.02
3 Thua Thien- Hue	0.32	0.53	0.92	1.37	1.80	2.18	2.53	2.84	3.22	3.60	3.99	4.40	4.85	5.34	5.87
4 Quang Ngai	0.23	0.43	0.69	0.94	1.11	1.36	1.51	1.65	1.84	2.05	2.26	2.49	2.74	3.01	3.31
<i>Region Average</i>	<i>0.38</i>	<i>0.59</i>	<i>0.94</i>	<i>1.30</i>	<i>1.66</i>	<i>2.07</i>	<i>2.41</i>	<i>2.71</i>	<i>3.08</i>	<i>3.44</i>	<i>3.82</i>	<i>4.22</i>	<i>4.65</i>	<i>5.12</i>	<i>5.65</i>
Southern Key Economic Region															
1 HO CHI MINH*	1.52	2.39	3.78	6.11	6.88	8.46	9.49	10.37	11.58	12.82	14.12	15.52	17.03	18.68	20.49
2 Binh Duong	0.31	0.62	1.17	1.63	2.82	3.55	3.78	4.01	4.39	4.82	5.28	5.78	6.34	6.95	7.63
3 Binh Phuoc					1.02	1.32	1.51	1.71	1.97	2.25	2.56	2.89	3.25	3.64	4.06
4 Dong Nai	0.26	0.56	0.94	1.50	2.06	2.78	3.17	3.50	3.91	4.32	4.76	5.22	5.72	6.26	6.86
5 Ba Ria- Vung Tau	0.54	0.91	1.62	2.45	3.24	4.17	4.70	5.13	5.71	6.30	6.91	7.58	8.30	9.10	9.98
<i>Region Average</i>	<i>0.98</i>	<i>1.61</i>	<i>2.60</i>	<i>4.18</i>	<i>4.85</i>	<i>6.05</i>	<i>6.79</i>	<i>7.42</i>	<i>8.29</i>	<i>9.17</i>	<i>10.10</i>	<i>11.10</i>	<i>12.18</i>	<i>13.37</i>	<i>14.67</i>
Key Region Average	0.79	1.34	2.18	3.31	3.96	4.91	5.52	6.06	6.80	7.56	8.36	9.23	10.16	11.18	12.30

Appendix I-7-5 (1) Development of POTS in Key Economic Regions

Main/Scenario 3

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Northern Key Economic Region													
1 HA NOI*	28.78	31.45	34.40	37.66	41.28	45.28	49.73	54.66	54.66	54.66	54.66	54.66	54.66
2 HAI PHONG*	11.73	12.98	14.34	15.82	17.45	19.25	21.22	23.40	25.80	28.46	31.39	34.64	38.23
3 Quang Ninh	8.24	9.07	9.97	10.97	12.07	13.29	14.64	16.13	17.78	19.60	21.61	23.84	26.30
4 Hai Duong	6.08	6.94	7.91	8.99	10.20	11.56	13.08	14.77	16.67	18.79	21.15	23.79	26.74
5 Hung Yen	2.11	2.32	2.55	2.80	3.08	3.39	3.73	4.11	4.53	4.99	5.50	6.07	6.69
<i>Region Average</i>	<i>14.43</i>	<i>15.91</i>	<i>17.53</i>	<i>19.33</i>	<i>21.32</i>	<i>23.51</i>	<i>25.95</i>	<i>28.65</i>	<i>29.80</i>	<i>31.08</i>	<i>32.48</i>	<i>34.04</i>	<i>35.77</i>
Central Key Economic Region													
1 DA NANG*	16.42	18.05	19.86	21.85	24.04	26.47	29.16	32.13	35.42	39.05	43.06	47.51	52.43
2 Quang Nam	3.33	3.66	4.03	4.44	4.89	5.38	5.93	6.53	7.20	7.94	8.76	9.66	10.66
3 Thua Thien-Hue	6.46	7.10	7.81	8.59	9.46	10.41	11.47	12.64	13.93	15.36	16.94	18.68	20.62
4 Quang Ngai	3.63	4.00	4.40	4.84	5.32	5.86	6.46	7.11	7.84	8.65	9.53	10.52	11.61
<i>Region Average</i>	<i>6.19</i>	<i>6.81</i>	<i>7.49</i>	<i>8.24</i>	<i>9.07</i>	<i>9.99</i>	<i>11.00</i>	<i>12.12</i>	<i>13.36</i>	<i>14.73</i>	<i>16.25</i>	<i>17.92</i>	<i>19.78</i>
Southern Key Economic Region													
1 HO CHI MINH*	22.50	24.70	27.13	29.81	32.77	36.04	39.66	43.66	48.08	52.98	52.98	52.98	52.98
2 Binh Duong	8.38	9.21	10.12	11.13	12.25	13.48	14.84	16.35	18.01	19.85	2.17	2.40	2.64
3 Binh Phuoc	4.53	5.03	5.57	6.16	6.80	7.50	8.26	9.08	9.97	10.94	12.00	13.14	14.39
4 Dong Nai	7.53	8.26	9.07	9.97	10.96	12.05	13.26	14.60	16.08	17.71	19.53	21.54	23.77
5 Ba Ria-Vung Tau	10.95	12.02	13.20	14.50	15.94	17.53	19.28	21.23	23.38	25.76	28.40	31.32	34.56
<i>Region Average</i>	<i>16.10</i>	<i>17.68</i>	<i>19.43</i>	<i>21.35</i>	<i>23.48</i>	<i>25.83</i>	<i>28.42</i>	<i>31.29</i>	<i>34.46</i>	<i>37.97</i>	<i>37.40</i>	<i>38.17</i>	<i>39.03</i>
Key Region Average	13.53	14.89	16.38	18.03	19.85	21.87	24.09	26.56	28.61	30.88	31.45	32.68	34.06

Appendix I-7-5 (2) Development of POTS in Key Economic Regions

Alternative/Scenario 3

Teledensity Scenario 3 : GDP Average Growth Rate 10%

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Northern Key Economic Region															
1 HA NOI*	1.94	3.75	6.19	8.81	10.49	12.48	13.18	13.71	15.01	16.37	17.84	19.42	21.16	23.06	25.16
2 HAI PHONG*	0.41	0.65	1.11	1.55	1.99	2.67	3.24	3.80	4.60	5.43	6.29	7.18	8.10	9.06	10.09
3 Quang Ninh	0.60	0.91	1.53	2.15	2.53	3.16	3.41	3.61	4.02	4.44	4.90	5.39	5.92	6.51	7.16
4 Hai Duong	0.18	0.27	0.44	0.61	1.02	1.30	1.50	1.70	2.03	2.41	2.82	3.29	3.82	4.41	5.06
5 Hung Yen					0.57	0.81	0.87	0.92	1.00	1.11	1.22	1.34	1.48	1.63	1.79
<i>Region Average</i>	<i>0.80</i>	<i>1.46</i>	<i>2.42</i>	<i>3.45</i>	<i>4.21</i>	<i>5.16</i>	<i>5.62</i>	<i>6.01</i>	<i>6.75</i>	<i>7.54</i>	<i>8.38</i>	<i>9.28</i>	<i>10.26</i>	<i>11.32</i>	<i>12.49</i>
Central Key Economic Region															
1 DA NANG*	0.51	0.72	1.10	1.47	4.37	5.43	6.29	6.92	7.87	8.79	9.74	10.74	11.81	12.98	14.26
2 Quang Nam					0.73	1.01	1.16	1.30	1.50	1.71	1.92	2.14	2.37	2.61	2.88
3 Thua Thien- Hue	0.32	0.53	0.92	1.37	1.80	2.18	2.47	2.71	3.07	3.43	3.81	4.20	4.63	5.09	5.60
4 Quang Ngai	0.23	0.43	0.69	0.94	1.11	1.36	1.48	1.57	1.76	1.95	2.16	2.38	2.61	2.87	3.16
<i>Region Average</i>	<i>0.38</i>	<i>0.59</i>	<i>0.94</i>	<i>1.30</i>	<i>1.66</i>	<i>2.07</i>	<i>2.36</i>	<i>2.59</i>	<i>2.94</i>	<i>3.29</i>	<i>3.65</i>	<i>4.03</i>	<i>4.44</i>	<i>4.89</i>	<i>5.37</i>
Southern Key Economic Region															
1 HO CHI MINH*	1.52	2.39	3.78	6.11	6.88	8.46	9.27	9.90	11.06	12.24	13.48	14.81	16.26	17.83	19.56
2 Binh Duong	0.31	0.62	1.17	1.63	2.82	3.55	3.70	3.93	4.20	4.60	5.04	5.52	6.05	6.64	7.29
3 Binh Phuoc					1.02	1.32	1.48	1.63	1.88	2.15	2.44	2.75	3.10	3.47	3.88
4 Dong Nai	0.26	0.56	0.94	1.50	2.06	2.78	3.10	3.34	3.73	4.13	4.54	4.98	5.46	5.98	6.55
5 Ba Ria- Vung Tau	0.54	0.91	1.62	2.45	3.24	4.17	4.59	4.90	5.45	6.01	6.60	7.23	7.93	8.69	9.52
<i>Region Average</i>	<i>0.98</i>	<i>1.61</i>	<i>2.60</i>	<i>4.18</i>	<i>4.85</i>	<i>6.05</i>	<i>6.63</i>	<i>7.09</i>	<i>7.91</i>	<i>8.75</i>	<i>9.64</i>	<i>10.60</i>	<i>11.63</i>	<i>12.76</i>	<i>14.00</i>
Key Region Average	0.79	1.34	2.18	3.31	3.96	4.91	5.39	5.78	6.49	7.21	7.98	8.81	9.70	10.67	11.74

Appendix I-7-5 (2) Development of POTS in Key Economic Regions

Alternative/Scenario 3

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Northern Key Economic Region													
1 HA NOI*	27.47	30.02	32.84	35.96	39.41	43.23	47.47	52.18	50.98	50.98	50.98	50.98	50.98
2 HAI PHONG*	11.19	12.39	13.69	15.11	16.66	18.37	20.26	22.34	24.63	27.17	29.97	33.07	36.49
3 Quang Ninh	7.87	8.66	9.52	10.47	11.52	12.69	13.97	15.40	16.97	18.71	20.63	22.76	25.11
4 Hai Duong	5.80	6.62	7.55	8.58	9.74	11.04	12.48	14.10	15.91	17.94	20.19	22.71	25.53
5 Hung Yen	1.97	2.16	2.37	2.61	2.87	3.16	3.48	3.83	4.22	4.66	5.13	5.66	6.24
<i>Region Average</i>	<i>13.77</i>	<i>15.18</i>	<i>16.73</i>	<i>18.44</i>	<i>20.34</i>	<i>22.44</i>	<i>24.76</i>	<i>27.34</i>	<i>28.04</i>	<i>29.25</i>	<i>30.59</i>	<i>32.08</i>	<i>33.72</i>
Central Key Economic Region													
1 DA NANG*	15.68	17.24	18.96	20.86	22.96	25.27	27.84	30.68	33.81	37.28	41.11	45.35	50.05
2 Quang Nam	3.18	3.50	3.85	4.24	4.66	5.14	5.66	6.24	6.87	7.58	8.36	9.22	10.17
3 Thua Thien-Hue	6.16	6.78	7.46	8.20	9.03	9.94	10.95	12.07	13.30	14.66	16.17	17.84	19.68
4 Quang Ngai	3.47	3.82	4.20	4.62	5.08	5.60	6.16	6.79	7.49	8.25	9.10	10.04	11.08
<i>Region Average</i>	<i>5.91</i>	<i>6.50</i>	<i>7.15</i>	<i>7.87</i>	<i>8.66</i>	<i>9.54</i>	<i>10.50</i>	<i>11.57</i>	<i>12.76</i>	<i>14.07</i>	<i>15.51</i>	<i>17.11</i>	<i>18.88</i>
Southern Key Economic Region													
1 HO CHI MINH*	21.48	23.58	25.90	28.46	31.29	34.41	37.86	41.68	45.90	50.58	52.98	52.98	52.98
2 Binh Duong	8.00	8.79	9.67	10.63	11.69	12.87	14.17	15.61	17.19	18.95	2.08	2.29	2.52
3 Binh Phuoc	4.32	4.80	5.31	5.88	6.49	7.15	7.88	8.66	9.51	10.44	11.45	12.54	13.72
4 Dong Nai	7.19	7.89	8.66	9.52	10.46	11.50	12.66	13.93	15.35	16.91	18.64	20.56	22.69
5 Ba Ria-Vung Tau	10.45	11.47	12.60	13.84	15.21	16.73	18.41	20.26	22.32	24.59	27.11	29.90	33.00
<i>Region Average</i>	<i>15.37</i>	<i>16.88</i>	<i>18.55</i>	<i>20.39</i>	<i>22.41</i>	<i>24.65</i>	<i>27.13</i>	<i>29.87</i>	<i>32.90</i>	<i>36.25</i>	<i>37.05</i>	<i>37.79</i>	<i>38.61</i>
Key Region Average	12.92	14.21	15.64	17.21	18.95	20.87	23.00	25.35	27.16	29.33	30.46	31.64	32.95

Appendix I-7-6A Main POTS Market Forecast

(I) Teledensity

Code	Province Designated City		Teledensity (%)					Ratio '98 Actual Forecast (%)						
	(From 1996)	(Before 1995)	1991	1992	1993	1994 Actual	1995		1996	1997				
NORTH EAST														
1	201	Ha Giang				0.11	0.25	0.39	0.48	0.54	108%			
2	211	Tuyen Quang				0.15	0.17	0.16	0.24	0.34	0.41	0.62	117%	
3	203	Cao Bang				0.08	0.09	0.14	0.22	0.36	0.45	0.58	116%	
4	209	Lang Son				0.10	0.17	0.29	0.43	0.63	0.80	1.06	124%	
5	205	Lao Cai						0.17	0.29	0.50	0.70	0.96	107%	
6	213	Yen Bai				0.15	0.20	0.17	0.26	0.45	0.57	0.74	113%	
7	207	Bac Can				0.09	0.13	0.24	0.36	0.52	0.78	1.18	95%	
8	215	Thai Nguyen												
9	225	Quang Ninh				0.29	0.40	0.60	0.91	1.53	2.15	2.53	109%	
10	217	Phu Tho				0.06	0.06	0.11	0.20	0.32	0.50	0.80	100%	
11	219	Vinh Phuc										0.66	129%	
12	224	Bac Giang				0.08	0.09	0.15	0.24	0.40	0.58	0.71	113%	
13	223	Bac Ninh										1.01	129%	
Total/Average			0.10	0.12	0.20	0.32	0.51	0.72	0.95	1.11%				
NORTH WEST														
14	301	Lai Chau				0.12	0.13	0.15	0.25	0.40	0.50	0.58	113%	
15	303	Son La				0.08	0.09	0.11	0.20	0.33	0.45	0.60	97%	
16	305	Hoa Binh						0.14	0.22	0.36	0.51	0.70	94%	
Total/Average			0.06	0.07	0.13	0.22	0.36	0.48	0.63	0.99%				
RED RIVER DELTA														
17	101	HAI NOI*				0.90	1.23	1.94	3.75	6.19	8.81	10.49	107%	
18	103	HAI PHONG*				0.21	0.21	0.41	0.65	1.11	1.55	1.99	105%	
19	105	Ha Tay				0.12	0.15	0.17	0.27	0.44	0.69	0.97	114%	
20	107	Hai Duong				0.07	0.09	0.18	0.27	0.44	0.61	1.02	115%	
21	109	Hung Yen										0.57	124%	
22	115	Thai Binh				0.05	0.06	0.10	0.22	0.39	0.55	0.66	108%	
23	111	Ha Nam				0.08	0.10	0.14	0.22	0.37	0.52	0.51	125%	
24	113	Nam Dinh										0.80	102%	
25	117	Ninh Binh						0.12	0.20	0.31	0.43	0.57	103%	
Total/Average			0.22	0.28	0.46	0.84	1.39	1.99	2.47	108%				
NORTH CENTRAL														
26	401	Thanh Hoa				0.03	0.05	0.07	0.13	0.21	0.31	0.45	99%	
27	403	Nghe An				0.05	0.07	0.16	0.28	0.53	0.74	1.06	97%	
28	405	Ha Tinh						0.02	0.06	0.15	0.30	0.44	0.51	107%
29	407	Quang Binh				0.06	0.10	0.17	0.26	0.49	0.76	0.96	97%	
30	409	Quang Tri				0.09	0.18	0.30	0.54	0.92	1.24	1.52	112%	
31	411	Thua Thien-Hue				0.19	0.23	0.32	0.53	0.92	1.37	1.80	99%	
Total/Average			0.05	0.08	0.14	0.25	0.44	0.65	0.87	0.99%				
SOUTH CENTRAL COAST														
32	501	DA NANG*										4.37	96%	
33	503	Quang Nam				0.23	0.33	0.51	0.72	1.10	1.47	0.73	110%	
34	505	Quang Ngai				0.12	0.15	0.23	0.43	0.69	0.94	1.11	107%	
35	507	Binh Dinh				0.16	0.24	0.28	0.44	0.71	1.07	1.45	93%	
36	509	Phu Yen				0.14	0.21	0.24	0.38	0.63	0.81	1.08	103%	
37	511	Khanh Hoa				0.30	0.34	0.47	0.81	1.35	2.11	2.87	100%	
38	705	Ninh Thuan						0.29	0.55	0.78	1.46	1.74	96%	
39	715	Binh Thuan				0.21	0.24	0.31	0.63	0.99	1.35	1.88	108%	
Total/Average			0.19	0.24	0.36	0.58	0.92	1.32	1.73	100%				
CENTRAL HIGHLANDS														
40	603	Gia Lai				0.17	0.20	0.27	0.42	0.69	1.04	1.37	101%	
41	601	Kon Tum						0.29	0.47	0.79	1.14	1.51	102%	
42	605	Dac Lac				0.10	0.13	0.21	0.39	0.76	1.20	1.40	99%	
43	703	Lam Dong				0.27	0.35	0.61	1.11	1.78	2.33	2.85	104%	
Total/Average			0.15	0.19	0.33	0.59	1.01	1.44	1.78	102%				
SOUTH EAST														
44	701	HO CHI MINH*				0.65	0.94	1.52	2.39	3.78	6.11	6.88	103%	
45	711	Binh Duong				0.12	0.14	0.31	0.62	1.17	1.63	2.82	101%	
46	707	Binh Phuoc										1.02	116%	
47	709	Tay Ninh				0.12	0.20	0.31	0.56	0.95	1.35	1.58	109%	
48	713	Dong Nai				0.14	0.13	0.26	0.56	0.94	1.50	2.06	113%	
49	717	Ba Ria- Vung Tau				0.18	0.31	0.54	0.91	1.62	2.45	3.24	110%	
Total/Average			0.39	0.55	0.92	1.59	2.45	3.91	4.55	104%				
MEKONG RIVER DELTA														
50	801	Long An				0.13	0.17	0.25	0.48	0.74	1.02	1.33	98%	
51	803	Dong Thap				0.17	0.22	0.24	0.35	0.54	0.74	0.97	103%	
52	805	An Giang				0.16	0.21	0.31	0.47	0.67	0.96	1.27	105%	
53	807	Tien Giang				0.13	0.16	0.21	0.35	0.54	0.79	1.02	106%	
54	811	Ben Tre				0.11	0.14	0.21	0.34	0.46	0.81	1.08	118%	
55	809	Vinh Long				0.21	0.25	0.20	0.34	0.53	0.73	1.01	105%	
56	817	Tra Vinh						0.19	0.36	0.57	0.76	0.94	112%	
57	815	Can Tho				0.28	0.38	0.31	0.52	0.79	1.05	1.36	111%	
58	819	Soc Trang						0.22	0.37	0.54	0.67	0.90	115%	
59	813	Kien Giang				0.15	0.22	0.33	0.54	0.87	1.24	1.68	94%	
60	821	Bac Lieu				0.14	0.20	0.27	0.52	0.69	0.91	1.06	124%	
61	823	Ca Mau										1.14	101%	
Total/Average			0.14	0.19	0.26	0.43	0.64	0.90	1.17	106%				
GRAND TOTAL/AVERAGE			0.17	0.23	0.36	0.62	1.01	1.49	1.86	105%				

Appendix I-7-6A Main POTS Market Forecast

(1) Teledensity *Scenario 1: Average GDP Growth Rate = 7% till 2020*

			Teledensity 1998-2010												
Code	Province	Designated City	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	(From 1996)	(Before 1995)													
NORTH EAST															
1	201	Ha Giang	0.65	0.70	0.74	0.78	0.82	0.86	0.90	0.94	0.98	1.02	1.07	1.12	1.17
2	211	Tuyen Quang	0.76	0.87	0.99	1.11	1.25	1.38	1.53	1.68	1.84	2.01	2.19	2.38	2.59
3	203	Cao Bang	0.74	0.81	0.88	0.94	0.99	1.05	1.10	1.16	1.21	1.27	1.33	1.39	1.46
4	209	Lang Son	1.45	1.90	2.24	2.61	2.99	3.39	3.79	4.19	4.59	4.98	5.37	5.76	6.15
5	205	Lao Cai	1.24	1.48	1.72	1.96	2.18	2.38	2.57	2.75	2.92	3.09	3.25	3.42	3.59
6	213	Yen Bai	0.90	0.97	1.02	1.07	1.12	1.17	1.22	1.28	1.33	1.39	1.46	1.52	1.59
7	207	Bac Can	0.57	0.71	0.87	1.05	1.24	1.43	1.62	1.80	1.98	2.15	2.31	2.47	2.63
8	215	Thai Nguyen	1.35	1.62	1.89	2.15	2.39	2.61	2.82	3.01	3.20	3.38	3.57	3.75	3.94
9	225	Quang Ninh	3.16	3.49	3.78	4.08	4.37	4.67	4.98	5.30	5.65	6.02	6.41	6.83	7.28
10	217	Phu Tho	0.97	1.13	1.27	1.40	1.51	1.62	1.71	1.80	1.90	1.99	2.08	2.18	2.29
11	219	Vinh Phuc	0.94	1.03	1.11	1.18	1.25	1.31	1.38	1.45	1.51	1.58	1.66	1.73	1.82
12	221	Bac Giang	0.88	0.94	0.99	1.04	1.09	1.14	1.19	1.24	1.30	1.35	1.41	1.48	1.55
13	223	Bac Ninh	1.44	1.65	1.87	2.10	2.34	2.59	2.85	3.12	3.40	3.69	4.00	4.32	4.66
<i>Total/Average</i>			<i>1.55</i>	<i>1.54</i>	<i>1.71</i>	<i>1.89</i>	<i>2.06</i>	<i>2.23</i>	<i>2.40</i>	<i>2.57</i>	<i>2.75</i>	<i>2.92</i>	<i>3.11</i>	<i>3.30</i>	<i>3.50</i>
NORTH WEST															
14	301	Lai Chau	0.70	0.74	0.78	0.81	0.85	0.89	0.93	0.97	1.01	1.06	1.10	1.15	1.21
15	303	Son La	0.73	0.91	1.12	1.35	1.59	1.83	2.07	2.31	2.54	2.75	2.97	3.17	3.38
16	305	Hoa Binh	0.89	1.16	1.45	1.75	2.04	2.32	2.57	2.79	3.00	3.20	3.39	3.57	3.76
<i>Total/Average</i>			<i>0.77</i>	<i>0.94</i>	<i>1.13</i>	<i>1.34</i>	<i>1.54</i>	<i>1.74</i>	<i>1.93</i>	<i>2.11</i>	<i>2.28</i>	<i>2.44</i>	<i>2.60</i>	<i>2.76</i>	<i>2.92</i>
RED RIVER DELTA															
17	101	HAI NOI*	12.48	13.49	14.36	15.24	16.11	17.00	17.94	18.94	20.01	21.15	22.38	23.70	25.12
18	103	HAI PHONG*	2.67	3.31	3.98	4.67	5.34	6.00	6.63	7.25	7.86	8.48	9.12	9.78	10.47
19	105	Ha Tay	1.22	1.43	1.65	1.89	2.13	2.38	2.64	2.91	3.18	3.47	3.78	4.10	4.43
20	107	Hai Duong	1.50	1.53	1.78	2.06	2.37	2.69	3.04	3.42	3.82	4.26	4.72	5.23	5.77
21	109	Hung Yen	0.81	0.89	0.97	1.04	1.12	1.19	1.27	1.35	1.44	1.54	1.64	1.75	1.86
22	115	Thai Binh	0.80	0.87	0.93	0.99	1.04	1.10	1.16	1.22	1.28	1.35	1.42	1.49	1.57
23	111	Ha Nam	0.72	0.77	0.82	0.86	0.91	0.96	1.00	1.05	1.11	1.16	1.22	1.28	1.34
24	113	Nam Dinh	1.00	1.17	1.32	1.46	1.59	1.71	1.82	1.93	2.04	2.15	2.26	2.38	2.50
25	117	Ninh Binh	0.76	0.95	1.14	1.33	1.51	1.69	1.85	2.00	2.14	2.28	2.42	2.56	2.70
<i>Total/Average</i>			<i>3.28</i>	<i>3.68</i>	<i>4.07</i>	<i>4.46</i>	<i>4.85</i>	<i>5.24</i>	<i>5.65</i>	<i>6.07</i>	<i>6.50</i>	<i>6.96</i>	<i>7.44</i>	<i>7.95</i>	<i>8.51</i>
NORTH CENTRAL															
26	401	Thanh Hoa	0.61	0.80	1.00	1.20	1.39	1.56	1.71	1.85	1.98	2.10	2.22	2.35	2.48
27	403	Nghê An	1.39	1.81	2.24	2.66	3.04	3.39	3.69	3.97	4.23	4.49	4.74	5.00	5.27
28	405	Ha Tinh	0.61	0.66	0.70	0.74	0.78	0.82	0.86	0.91	0.95	1.00	1.06	1.11	1.17
29	407	Quang Binh	1.22	1.55	1.90	2.26	2.60	2.92	3.21	3.48	3.74	3.99	4.23	4.48	4.73
30	409	Quang Tri	1.86	1.99	2.10	2.21	2.32	2.44	2.56	2.68	2.81	2.95	3.10	3.26	3.42
31	411	Thua Thiên-Hue	2.18	2.53	2.84	3.12	3.38	3.63	3.88	4.15	4.42	4.71	5.02	5.35	5.70
<i>Total/Average</i>			<i>1.10</i>	<i>1.36</i>	<i>1.62</i>	<i>1.88</i>	<i>2.11</i>	<i>2.33</i>	<i>2.53</i>	<i>2.72</i>	<i>2.90</i>	<i>3.08</i>	<i>3.26</i>	<i>3.45</i>	<i>3.64</i>
SOUTH CENTRAL COAST															
32	501	DA NANG*	5.43	6.43	7.25	7.99	8.65	9.28	9.92	10.57	11.26	11.99	12.77	13.60	14.50
33	503	Quang Nam	1.01	1.19	1.36	1.53	1.68	1.83	1.97	2.12	2.27	2.42	2.59	2.76	2.94
34	505	Quang Ngai	1.36	1.51	1.65	1.79	1.92	2.06	2.19	2.34	2.49	2.65	2.83	3.01	3.21
35	507	Binh Dinh	1.69	2.09	2.49	2.88	3.24	3.57	3.87	4.16	4.43	4.71	4.98	5.26	5.54
36	509	Phu Yen	1.31	1.53	1.74	1.93	2.11	2.27	2.43	2.58	2.73	2.88	3.03	3.19	3.36
37	511	Khanh Hoa	3.63	4.43	5.19	5.90	6.54	7.12	7.65	8.15	8.64	9.13	9.63	10.14	10.68
38	705	Ninh Thuan	2.14	2.55	2.90	3.21	3.48	3.73	3.96	4.18	4.41	4.64	4.88	5.13	5.39
39	715	Binh Thuan	2.45	2.88	3.27	3.63	3.96	4.26	4.54	4.81	5.08	5.35	5.63	5.93	6.24
<i>Total/Average</i>			<i>2.17</i>	<i>2.58</i>	<i>2.96</i>	<i>3.31</i>	<i>3.64</i>	<i>3.94</i>	<i>4.23</i>	<i>4.51</i>	<i>4.79</i>	<i>5.07</i>	<i>5.37</i>	<i>5.68</i>	<i>6.01</i>
CENTRAL HIGHLANDS															
40	603	Gia Lai	1.64	1.82	1.97	2.10	2.21	2.32	2.43	2.53	2.64	2.75	2.87	3.00	3.13
41	601	Kon Tum	1.79	2.00	2.16	2.31	2.45	2.58	2.70	2.83	2.96	3.09	3.23	3.38	3.54
42	605	Dac Lac	1.73	2.11	2.48	2.85	3.18	3.49	3.77	4.03	4.29	4.53	4.78	5.03	5.29
43	703	Lam Dong	3.27	3.54	3.75	3.95	4.14	4.33	4.54	4.76	4.99	5.24	5.50	5.77	6.07
<i>Total/Average</i>			<i>2.15</i>	<i>2.44</i>	<i>2.70</i>	<i>2.95</i>	<i>3.18</i>	<i>3.40</i>	<i>3.60</i>	<i>3.81</i>	<i>4.01</i>	<i>4.22</i>	<i>4.43</i>	<i>4.65</i>	<i>4.88</i>
SOUTH EAST															
44	701	HO CHI MINH*	8.46	9.49	10.37	11.22	12.04	12.85	13.68	14.55	15.47	16.45	17.49	18.61	19.81
45	711	Binh Duong	3.55	3.78	4.01	4.26	4.52	4.80	5.10	5.42	5.76	6.13	6.52	6.94	7.39
46	707	Binh Phuoc	1.32	1.51	1.71	1.93	2.15	2.39	2.63	2.90	3.17	3.46	3.77	4.09	4.43
47	709	Tay Ninh	2.10	2.34	2.54	2.74	2.92	3.09	3.26	3.43	3.61	3.79	3.98	4.19	4.40
48	713	Dong Nai	2.78	3.17	3.50	3.79	4.06	4.33	4.60	4.89	5.19	5.51	5.85	6.22	6.62
49	717	Ba Ria-Vung Tau	4.17	4.70	5.13	5.53	5.91	6.29	6.68	7.10	7.53	8.01	8.51	9.05	9.64
<i>Total/Average</i>			<i>5.93</i>	<i>6.65</i>	<i>7.28</i>	<i>7.87</i>	<i>8.45</i>	<i>9.02</i>	<i>9.60</i>	<i>10.21</i>	<i>10.86</i>	<i>11.55</i>	<i>12.28</i>	<i>13.07</i>	<i>13.97</i>
MEKONG RIVER DELTA															
50	801	Long An	1.59	1.94	2.31	2.68	3.04	3.39	3.72	4.03	4.34	4.64	4.93	5.23	5.53
51	803	Dong Thap	1.22	1.43	1.61	1.78	1.94	2.09	2.22	2.36	2.49	2.62	2.76	2.90	3.06
52	805	An Giang	1.65	2.06	2.52	3.06	3.64	4.25	4.89	5.54	6.19	6.84	7.48	8.12	8.76
53	807	Tien Giang	1.32	1.56	1.76	1.95	2.12	2.28	2.43	2.58	2.72	2.87	3.02	3.17	3.34
54	811	Ben Tre	1.41	1.64	1.88	2.14	2.42	2.71	3.02	3.34	3.68	4.04	4.42	4.82	5.24
55	809	Vinh Long	1.32	1.60	1.87	2.12	2.36	2.57	2.77	2.96	3.15	3.33	3.51	3.70	3.90
56	817	Tra Vinh	1.18	1.30	1.40	1.50	1.59	1.68	1.77	1.87	1.96	2.06	2.17	2.28	2.39
57	815	Can Tho	1.80	2.09	2.36	2.62	2.85	3.09	3.30	3.51	3.72	3.93	4.15	4.37	4.60
58	819	Soc Trang	1.15	1.32	1.50	1.70	1.91	2.13	2.36	2.61	2.87	3.15	3.45	3.76	4.10
59	813	Kien Giang	1.97	2.49	3.06	3.69	4.34	4.99	5.63	6.25	6.85	7.43	7.99	8.55	9.10
60	821	Bac Lieu	1.46	1.68	1.91	2.15	2.41	2.68	2.97	3.26	3.57	3.90	4.24	4.60	4.99

Appendix I-7-6A Main POTS Market Forecast

(I) Teledensity Scenario 1: Average GDP Growth Rate = 7% till 2020

			Teledensity 2011-2020									
Code	Province	Designated City (From 1996)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
NORTH EAST												
1	201	Ha Giang	Ha Giang	1.23	1.28	1.35	1.41	1.48	1.55	1.63	1.71	1.79
2	211	Tuyen Quang	Tuyen Quang	2.80	3.02	3.26	3.51	3.78	4.06	4.36	4.67	5.01
3	203	Cao Bang	Cao Bang	1.52	1.60	1.67	1.75	1.84	1.93	2.02	2.12	2.22
4	269	Lang Son	Lang Son	6.54	6.93	7.33	7.74	8.17	8.61	9.06	9.54	10.03
5	205	Lao Cai	Lao Cai	3.77	3.96	4.15	4.35	4.57	4.79	5.02	5.27	5.53
6	213	Yen Bai	Yen Bai	1.67	1.75	1.83	1.92	2.01	2.11	2.21	2.32	2.43
7	207	Bac Can	Bac Thai	2.79	2.95	3.11	3.28	3.45	3.63	3.81	4.01	4.21
8	215	Thai Nguyen		4.13	4.34	4.55	4.77	5.00	5.25	5.51	5.78	6.06
9	225	Quang Ninh	Quang Ninh	7.76	8.28	8.83	9.43	10.06	10.75	11.48	12.27	13.12
10	217	Phu Tho	Vinh Pha	2.39	2.51	2.63	2.75	2.89	3.03	3.17	3.33	3.49
11	219	Vinh Phuc		1.90	1.99	2.08	2.18	2.29	2.40	2.52	2.64	2.77
12	221	Bac Giang	Ha Bac	1.62	1.70	1.78	1.85	1.95	2.05	2.15	2.25	2.36
13	223	Bac Ninh		5.01	5.38	5.77	6.18	6.61	7.07	7.55	8.05	8.58
<i>Total/Average</i>			3.70	3.92	4.15	4.39	4.64	4.91	5.19	5.49	5.81	6.14
NORTH WEST												
14	301	Lai Chau	Lai Chau	1.26	1.32	1.39	1.45	1.52	1.60	1.68	1.76	1.84
15	303	Son La	Son La	3.58	3.78	3.99	4.21	4.43	4.66	4.89	5.14	5.40
16	305	Hoa Binh	Hoa Binh	3.95	4.15	4.36	4.57	4.80	5.03	5.28	5.54	5.82
<i>Total/Average</i>			3.08	3.24	3.41	3.58	3.76	3.95	4.15	4.36	4.58	4.81
RED RIVER DELTA												
17	301	HANOI*	HANOI*	26.65	28.31	30.09	32.02	34.11	36.37	38.81	41.46	44.34
18	403	HAI PHONG*	HAI PHONG*	11.20	11.97	12.79	13.67	14.60	15.60	16.68	17.83	19.06
19	105	Ha Tay	Ha Tay	4.78	5.14	5.53	5.93	6.36	6.81	7.28	7.78	8.30
20	107	Hai Duong	Hai Hung	6.56	7.00	7.68	8.42	9.22	10.08	11.01	12.01	13.09
21	109	Hung Yen		1.98	2.11	2.25	2.40	2.57	2.74	2.92	3.12	3.34
22	113	Thai Binh	Thai Binh	1.65	1.74	1.83	1.92	2.03	2.13	2.25	2.37	2.50
23	111	Ha Nam	Nam Ha	1.41	1.49	1.57	1.65	1.74	1.83	1.93	2.03	2.14
24	113	Nam Dinh		2.63	2.77	2.92	3.07	3.23	3.41	3.59	3.78	3.99
25	117	Ninh Binh	Ninh Binh	2.85	3.01	3.17	3.35	3.52	3.71	3.91	4.12	4.35
<i>Total/Average</i>			9.09	9.71	10.38	11.09	11.86	12.68	13.55	14.50	15.51	16.59
NORTH CENTRAL												
26	401	Thanh Hoa	Thanh Hoa	2.61	2.75	2.90	3.05	3.21	3.39	3.57	3.76	3.97
27	403	Nghé An	Nghé An	5.55	5.85	6.16	6.49	6.83	7.20	7.59	8.00	8.43
28	405	Ha Tinh	Ha Tinh	1.23	1.29	1.35	1.43	1.51	1.59	1.67	1.76	1.86
29	407	Quang Binh	Quang Binh	4.99	5.26	5.54	5.84	6.16	6.49	6.84	7.21	7.60
30	409	Quang Tri		3.60	3.79	3.99	4.20	4.42	4.65	4.90	5.17	5.45
31	411	Thua Thien-Hue	Thua Thien-Hue	6.08	6.49	6.92	7.39	7.89	8.42	9.00	9.62	10.28
<i>Total/Average</i>			3.84	4.05	4.28	4.51	4.77	5.03	5.32	5.62	5.94	6.28
SOUTH CENTRAL COAST												
32	501	DA NANG*	Quang Nam- Da Nang	15.46	16.49	17.59	18.78	20.05	21.42	22.88	24.46	26.14
33	503	Quang Nam		3.14	3.35	3.58	3.82	4.08	4.35	4.65	4.97	5.31
34	505	Quang Ngai	Quang Ngai	3.42	3.65	3.89	4.16	4.44	4.74	5.07	5.41	5.79
35	507	Binh Dinh	Binh Dinh	5.84	6.15	6.48	6.83	7.19	7.58	7.99	8.42	8.88
36	509	Phu Yen	Phu Yen	3.54	3.72	3.92	4.13	4.35	4.58	4.83	5.09	5.37
37	511	Khanh Hoa	Khanh Hoa	11.24	11.83	12.46	13.12	13.82	14.56	15.34	16.17	17.05
38	705	Ninh Thuan	Ninh Thuan	5.67	5.97	6.28	6.62	6.97	7.34	7.74	8.15	8.60
39	715	Binh Thuan	Binh Thuan	6.56	6.91	7.27	7.66	8.06	8.50	8.95	9.44	9.95
<i>Total/Average</i>			6.36	6.73	7.12	7.54	7.98	8.45	8.95	9.50	10.07	10.68
CENTRAL HIGHLANDS												
40	603	Gia Lai	Gia Lai	3.27	3.42	3.58	3.75	3.93	4.13	4.33	4.54	4.76
41	601	Kon Tum	Kon Tum	3.70	3.88	4.06	4.26	4.46	4.68	4.91	5.15	5.40
42	605	Dac Lac	Dac Lac	5.55	5.82	6.11	6.41	6.72	7.05	7.39	7.76	8.14
43	703	Lam Dong	Lam Dong	6.38	6.71	7.05	7.42	7.81	8.23	8.67	9.13	9.62
<i>Total/Average</i>			5.12	5.37	5.63	5.91	6.21	6.52	6.85	7.20	7.56	7.95
SOUTH EAST												
44	701	HO CHI MINH*	HO CHI MINH*	21.10	22.47	23.95	25.54	27.24	29.08	31.05	33.17	35.45
45	711	Binh Duong	Song Be	7.88	8.40	8.96	9.56	10.20	10.89	11.63	12.43	13.28
46	707	Binh Phuoc		4.79	5.17	5.57	5.99	6.44	6.92	7.42	7.95	8.51
47	709	Tay Ninh	Tay Ninh	4.63	4.87	5.12	5.39	5.68	5.98	6.31	6.65	7.01
48	713	Dong Nai	Dong Nai	7.05	7.51	8.01	8.54	9.11	9.72	10.38	11.09	11.85
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	10.26	10.93	11.65	12.42	13.25	14.14	15.10	16.13	17.24
<i>Total/Average</i>			14.82	15.78	16.82	17.94	19.13	20.41	21.79	23.22	24.66	26.12
MEKONG RIVER DELTA												
50	801	Long An	Long An	5.84	6.16	6.50	6.85	7.22	7.62	8.03	8.47	8.93
51	803	Dong Thap	Dong Thap	3.22	3.38	3.56	3.75	3.95	4.16	4.39	4.62	4.88
52	805	An Giang	An Giang	9.39	10.04	10.69	11.36	12.05	12.76	13.50	14.28	15.09
53	807	Tien Giang	Tien Giang	3.51	3.70	3.89	4.10	4.31	4.54	4.79	5.05	5.32
54	811	Ben Tre	Ben Tre	5.70	6.18	6.69	7.23	7.81	8.42	9.07	9.76	10.49
55	809	Vinh Long	Vinh Long	4.11	4.33	4.55	4.80	5.05	5.32	5.61	5.91	6.23
56	817	Tra Vinh	Tra Vinh	2.52	2.65	2.79	2.93	3.09	3.26	3.43	3.62	3.81
57	815	Can Tho	Can Tho	4.84	5.10	5.37	5.65	5.95	6.27	6.61	6.97	7.35
58	819	Soc Trang	Soc Trang	4.45	4.84	5.25	5.68	6.14	6.64	7.16	7.72	8.31
59	813	Kien Giang	Kien Giang	9.66	10.24	10.83	11.44	12.08	12.76	13.46	14.20	14.99
60	821	Bac Lieu	Minh Hai	5.39	5.82	6.27	6.75	7.25	7.78	8.35	8.95	9.58
61	823	Ca Mau		3.70	3.89	4.09	4.31	4.54	4.78	5.04	5.31	5.60
<i>Total/Average</i>			5.75	6.11	6.49	6.89	7.31	7.75	8.21	8.70	9.22	9.77
GRAND TOTAL/AVERAGE			6.72	7.14	7.60	8.08	8.59	9.13	9.72	10.24	10.90	11.60

Appendix I-7-6A Main POTS Market Forecast

(1) Teledensity Scenario 2: Average GDP Growth Rate=8% till 2020

				Teledensity 1998-2010													
Code	Province (Designated City (From 1996))		Province (Designated City (Before 1996))		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
NORTH EAST																	
1	201	Ha Giang	Ha Giang		0.65	0.70	0.74	0.79	0.84	0.88	0.93	0.98	1.04	1.09	1.15	1.22	1.29
2	211	Tuyen Quang	Tuyen Quang		0.76	0.87	0.99	1.12	1.27	1.42	1.59	1.76	1.95	2.15	2.36	2.59	2.84
3	203	Cao Bang	Cao Bang		0.74	0.81	0.88	0.95	1.01	1.08	1.14	1.21	1.28	1.35	1.43	1.51	1.60
4	209	Lang Son	Lang Son		1.45	1.90	2.24	2.63	3.05	3.49	3.91	4.39	4.85	5.31	5.78	6.26	6.74
5	205	Lao Cai	Lao Cai		1.24	1.45	1.72	1.98	2.22	2.45	2.67	2.88	3.09	3.29	3.50	3.72	3.94
6	213	Yen Bai	Yen Bai		0.90	0.97	1.02	1.08	1.14	1.20	1.27	1.34	1.41	1.49	1.57	1.65	1.75
7	207	Bac Can	Bac Thai		0.57	0.71	0.87	1.06	1.26	1.47	1.68	1.88	2.09	2.29	2.49	2.69	2.89
8	215	Thai Nguyen			1.35	1.62	1.89	2.17	2.43	2.69	2.93	3.16	3.38	3.61	3.84	4.08	4.32
9	225	Quang Ninh	Quang Ninh		3.16	3.49	3.78	4.13	4.49	4.86	5.25	5.67	6.13	6.62	7.15	7.72	8.34
10	217	Phu Tho	Vinh Phu		0.97	1.13	1.27	1.41	1.54	1.66	1.78	1.89	2.00	2.12	2.24	2.37	2.51
11	219	Vinh Phuc			0.94	1.03	1.11	1.19	1.27	1.35	1.43	1.51	1.60	1.69	1.78	1.88	1.99
12	221	Bac Giang	Ha Bac		0.88	0.94	0.99	1.05	1.11	1.17	1.23	1.30	1.37	1.44	1.52	1.61	1.70
13	223	Bac Ninh			1.44	1.65	1.87	2.12	2.38	2.66	2.95	3.26	3.59	3.94	4.30	4.69	5.11
Total/Average					1.35	1.54	1.71	1.91	2.10	2.30	2.50	2.70	2.92	3.14	3.37	3.61	3.87
NORTH WEST																	
14	301	Lai Chau	Lai Chau		0.70	0.74	0.78	0.82	0.87	0.91	0.96	1.01	1.07	1.13	1.19	1.26	1.33
15	303	Son La	Son La		0.73	0.91	1.12	1.36	1.62	1.88	2.15	2.42	2.68	2.94	3.19	3.45	3.70
16	305	Hoa Binh	Hoa Binh		0.89	1.16	1.45	1.77	2.08	2.38	2.66	2.92	3.17	3.41	3.65	3.89	4.13
Total/Average					0.77	0.94	1.13	1.35	1.57	1.79	2.00	2.21	2.41	2.61	2.80	3.00	3.20
RED RIVER DELTA																	
17	101	HA NOI*	HA NOI*		12.48	13.49	14.36	15.44	16.55	17.71	18.95	20.27	21.71	23.26	24.95	26.78	28.78
18	103	HAI PHONG*	HAI PHONG*		2.67	3.31	3.98	4.73	5.49	6.25	7.00	7.76	8.53	9.33	10.17	11.05	11.99
19	105	Ha Tay	Ha Tay		1.22	1.43	1.65	1.91	2.17	2.45	2.74	3.04	3.37	3.71	4.07	4.45	4.86
20	107	Hai Duong	Hai Hung		1.30	1.53	1.78	2.09	2.43	2.80	3.21	3.66	4.15	4.68	5.27	5.91	6.62
21	109	Hang Yen			0.81	0.89	0.97	1.06	1.15	1.24	1.34	1.45	1.57	1.69	1.83	1.97	2.13
22	115	Thai Binh	Thai Binh		0.89	0.67	0.93	1.00	1.06	1.13	1.20	1.28	1.36	1.44	1.53	1.62	1.72
23	111	Ha Nam	Nam Ha		0.72	0.77	0.82	0.87	0.93	0.98	1.04	1.10	1.17	1.24	1.31	1.39	1.47
24	113	Nam Dinh			1.00	1.17	1.32	1.47	1.62	1.76	1.89	2.02	2.15	2.29	2.43	2.58	2.74
25	117	Ninh Binh	Ninh Binh		0.76	0.95	1.14	1.34	1.54	1.73	1.92	2.09	2.26	2.43	2.60	2.78	2.96
Total/Average					3.78	3.68	4.07	4.52	4.97	5.45	5.94	6.47	7.02	7.61	8.25	8.93	9.67
NORTH CENTRAL																	
26	401	Thanh Hoa	Thanh Hoa		0.61	0.80	1.00	1.21	1.41	1.60	1.77	1.93	2.09	2.24	2.39	2.55	2.72
27	403	Nghê An	Nghê An		1.39	1.81	2.24	2.69	3.10	3.48	3.83	4.16	4.47	4.79	5.11	5.44	5.78
28	405	Ha Tinh	Ha Tinh		0.61	0.66	0.70	0.75	0.79	0.84	0.90	0.95	1.01	1.07	1.14	1.21	1.28
29	407	Quang Binh	Quang Binh		1.22	1.55	1.90	2.28	2.65	3.00	3.33	3.64	3.95	4.25	4.55	4.86	5.19
30	409	Quang Tri	Quang Tri		1.86	1.99	2.10	2.23	2.37	2.51	2.65	2.81	2.97	3.15	3.34	3.54	3.75
31	411	Thua Thien-Hue	Thua Thien-Hue		2.18	2.53	2.84	3.16	3.47	3.78	4.10	4.44	4.79	5.18	5.60	6.05	6.53
Total/Average					1.10	1.36	1.62	1.90	2.16	2.40	2.63	2.86	3.08	3.30	3.53	3.77	4.02
SOUTH CENTRAL COAST																	
32	501	DA NANG*	Quang Nam- Da Nang		5.43	6.43	7.25	8.09	8.89	9.67	10.47	11.31	12.22	13.19	14.24	15.38	16.61
33	503	Quang Nam			1.01	1.19	1.36	1.55	1.73	1.90	2.08	2.27	2.46	2.66	2.88	3.12	3.37
34	505	Quang Ngai	Quang Ngai		1.36	1.51	1.65	1.81	1.97	2.14	2.32	2.50	2.70	2.92	3.15	3.40	3.68
35	507	Binh Dinh	Binh Dinh		1.69	2.09	2.49	2.90	3.30	3.67	4.02	4.36	4.69	5.02	5.36	5.71	6.08
36	509	Phu Yen	Phu Yen		1.31	1.53	1.74	1.95	2.15	2.34	2.52	2.70	2.88	3.07	3.26	3.47	3.69
37	511	Khanh Hoa	Khanh Hoa		3.63	4.43	5.19	5.96	6.66	7.32	7.94	8.53	9.13	9.74	10.36	11.02	11.71
38	705	Ninh Thuan	Ninh Thuan		2.14	2.55	2.90	3.24	3.55	3.83	4.11	4.38	4.66	4.95	5.25	5.57	5.92
39	715	Binh Thuan	Binh Thuan		2.45	2.88	3.27	3.67	4.03	4.38	4.71	5.03	5.37	5.71	6.07	6.44	6.84
Total/Average					2.17	2.58	2.96	3.35	3.72	4.07	4.41	4.76	5.11	5.47	5.86	6.27	6.70
CENTRAL HIGHLANDS																	
40	603	Gia Lai	Gia Lai		1.64	1.82	1.97	2.12	2.26	2.39	2.52	2.65	2.79	2.94	3.09	3.26	3.43
41	601	Kon Tum	Kon Tum		1.79	2.00	2.16	2.33	2.49	2.65	2.80	2.96	3.13	3.30	3.48	3.68	3.88
42	605	Dac Lac	Dac Lac		1.73	2.11	2.48	2.87	3.24	3.59	3.91	4.23	4.53	4.84	5.15	5.47	5.80
43	703	Lam Dong	Lam Dong		3.27	3.54	3.75	3.98	4.22	4.46	4.71	4.98	5.28	5.59	5.92	6.27	6.65
Total/Average					2.15	2.44	2.70	2.98	3.24	3.49	3.74	3.99	4.24	4.56	4.77	5.05	5.35
SOUTH EAST																	
44	701	HO CHI MINH*	HO CHI MINH*		8.45	9.49	10.37	11.38	12.37	13.39	14.45	15.57	16.78	18.09	19.50	21.04	22.70
45	711	Binh Duong	Song Be		3.55	3.78	4.01	4.32	4.65	5.00	5.38	5.80	6.25	6.74	7.27	7.84	8.47
46	707	Binh Phuoc			1.32	1.51	1.71	1.94	2.19	2.45	2.73	3.03	3.35	3.69	4.06	4.44	4.86
47	709	Tay Ninh	Tay Ninh		2.10	2.34	2.54	2.76	2.97	3.18	3.38	3.59	3.81	4.04	4.29	4.55	4.83
48	713	Dong Nai	Dong Nai		2.78	3.17	3.50	3.84	4.17	4.51	4.86	5.23	5.63	6.06	6.53	7.03	7.59
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau		4.17	4.70	5.13	5.61	6.08	6.55	7.06	7.59	8.17	8.80	9.49	10.23	11.04
Total/Average					5.93	6.65	7.28	7.98	8.68	9.39	10.13	10.92	11.77	12.68	13.67	14.74	15.91
MEKONG RIVER DELTA																	
50	801	Long An	Long An		1.59	1.94	2.31	2.70	3.10	3.48	3.86	4.22	4.58	4.94	5.31	5.68	6.07
51	803	Dong Thap	Dong Thap		1.22	1.43	1.61	1.80	1.98	2.14	2.31	2.47	2.63	2.80	2.97	3.16	3.35
52	805	An Giang	An Giang		1.65	2.06	2.52	3.08	3.70	4.37	5.08	5.80	6.54	7.29	8.05	8.82	9.60
53	807	Tien Giang	Tien Giang		1.32	1.56	1.76	1.97	2.16	2.35	2.52	2.70	2.87	3.06	3.25	3.45	3.66
54	811	Ben Tre	Ben Tre		1.41	1.64	1.88	2.16	2.46	2.79	3.13	3.49	3.89	4.30	4.75	5.23	5.75
55	809	Vinh Long	Vinh Long		1.32	1.60	1.87	2.14	2.40	2.65	2.88	3.10	3.33	3.55	3.78	4.02	4.28
56	817	Tra Vinh	Tra Vinh		1.18	1.30	1.49	1.51	1.62	1.73	1.84	1.95	2.07	2.20	2.33	2.47	2.63
57	815	Can Tho	Can Tho		1.80	2.09	2.36	2.64	2.91	3.17	3.43	3.68	3.93	4.20	4.46	4.75	5.04
58	819	Soc Trang	Soc Trang		1.15	1.32	1.50	1.71	1.94	2.19	2.45	2.73	3.03	3.36	3.71	4.09	4.50
59	813	Kien Giang	Kien Giang		1.97	2.49	3.06	3.72	4.42	5.13	5.85	6.55	7.24	7.92	8.60	9.28	9.98
60	821	Bac Lieu	Minh Hai		1.46	1.68	1.91	2.17	2.46	2.76	3.08	3.41	3.77	4.16	4.57	5.00	5.47
61	823	Ca Mau			1.41	1.65	1.87	2.09	2.29	2.48	2.66	2.84	3.03	3.22	3.42	3.63	3.85
Total																	

Appendix I-7-6A Main POTS Market Forecast

(1) Teledensity *Scenario 2: Average GDP Growth Rate = 8% till 2020*

Code	Province	Designated City (From 1996)	City (Before 1995)	Teledensity 2011-2020													
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020				
NORTH EAST																	
1	201	Ha Giang	Ha Giang	1.36	1.44	1.52	1.61	1.70	1.80	1.90	2.02	2.13	2.26				
2	211	Tuyen Quang	Tuyen Quang	3.10	3.38	3.68	4.00	4.34	4.71	5.10	5.52	5.97	6.45				
3	203	Cao Bang	Cao Bang	1.69	1.78	1.88	1.99	2.11	2.23	2.36	2.50	2.65	2.81				
4	209	Lang Son	Lang Son	7.24	7.74	8.27	8.81	9.38	9.98	10.61	11.26	11.96	12.70				
5	205	Lao Cai	Lao Cai	4.18	4.42	4.68	4.95	5.25	5.55	5.88	6.23	6.60	6.99				
6	213	Yen Bai	Yen Bai	1.85	1.95	2.06	2.18	2.31	2.44	2.58	2.74	2.90	3.07				
7	207	Bac Can	Bac Thai	3.09	3.30	3.54	3.73	3.96	4.21	4.46	4.73	5.02	5.32				
8	215	Thai Nguyen	Quang Ninh	4.58	4.84	5.13	5.43	5.75	6.09	6.44	6.82	7.23	7.66				
9	225	Quang Ninh	Vinh Phu	9.01	9.74	10.54	11.40	12.34	13.36	14.47	15.67	16.98	18.41				
10	217	Phu Tho	Hai Bac	2.65	2.80	2.96	3.13	3.32	3.51	3.71	3.93	4.17	4.42				
11	219	Vinh Phuc		2.10	2.22	2.35	2.49	2.63	2.78	2.95	3.12	3.31	3.50				
12	221	Bac Giang		1.79	1.90	2.00	2.12	2.24	2.37	2.51	2.66	2.82	2.99				
13	223	Bac Ninh		5.55	6.01	6.51	7.04	7.60	8.20	8.83	9.51	10.22	10.99				
Total/Average				4.14	4.43	4.73	5.06	5.41	5.78	6.17	6.60	7.05	7.54				
NORTH WEST																	
14	301	Lai Chau	Lai Chau	1.40	1.48	1.56	1.65	1.75	1.85	1.96	2.08	2.20	2.33				
15	303	Son La	Son La	3.96	4.23	4.50	4.79	5.09	5.40	5.73	6.07	6.44	6.83				
16	305	Hoia Binh	Hoia Binh	4.38	4.64	4.91	5.20	5.51	5.84	6.18	6.55	6.94	7.35				
Total/Average				3.41	3.62	3.85	4.08	4.32	4.58	4.86	5.15	5.46	5.79				
RED RIVER DELTA																	
17	101	HAI NOI*	HAI NOI*	30.95	33.32	35.91	38.74	41.83	45.20	48.90	52.96	52.96	52.96				
18	103	HAI PHONG*	HAI PHONG*	13.00	14.09	15.26	16.53	17.91	19.40	21.01	22.77	24.68	26.76				
19	105	Ha Tay	Ha Tay	5.29	5.74	6.23	6.75	7.30	7.89	8.51	9.18	9.89	10.65				
20	107	Hai Duong	Hai Hung	7.39	8.24	9.17	10.19	11.30	12.53	13.87	15.34	16.95	18.72				
21	109	Hung Yen	Hung Yen	2.30	2.49	2.69	2.91	3.15	3.40	3.69	3.99	4.32	4.68				
22	115	Thai Binh	Thai Binh	1.83	1.94	2.06	2.19	2.33	2.47	2.63	2.80	2.98	3.17				
23	111	Ha Nam	Nam Ha	1.56	1.66	1.76	1.87	1.99	2.12	2.25	2.40	2.55	2.71				
24	113	Nam Dinh	Nam Dinh	2.91	3.09	3.29	3.49	3.71	3.95	4.20	4.47	4.75	5.06				
25	117	Ninh Binh	Ninh Binh	3.16	3.36	3.57	3.80	4.04	4.30	4.57	4.87	5.18	5.52				
Total/Average				10.46	11.33	12.26	13.27	14.37	15.57	16.86	18.27	19.84	21.66				
NORTH CENTRAL																	
26	401	Thanh Hoa	Thanh Hoa	2.89	3.07	3.26	3.47	3.69	3.92	4.17	4.44	4.73	5.03				
27	403	Nghe An	Nghe An	6.15	6.53	6.94	7.38	7.85	8.34	8.87	9.44	10.05	10.69				
28	405	Ha Tinh	Ha Tinh	1.36	1.44	1.53	1.63	1.73	1.84	1.95	2.08	2.21	2.35				
29	407	Quang Binh	Quang Binh	5.52	5.87	6.25	6.65	7.07	7.52	8.00	8.51	9.06	9.64				
30	409	Quang Tri	Quang Tri	3.98	4.23	4.49	4.77	5.07	5.39	5.74	6.10	6.49	6.91				
31	411	Thua Thien-Hue	Thua Thien-Hue	7.06	7.64	8.26	8.93	9.67	10.47	11.34	12.28	13.31	14.43				
Total/Average				4.28	4.57	4.87	5.19	5.53	5.90	6.30	6.73	7.18	7.67				
SOUTH CENTRAL COAST																	
32	501	DA NANG*	Quang Nam- Da Nang	17.95	19.41	20.99	22.72	24.59	26.62	28.83	31.24	33.85	36.69				
33	503	Quang Nam	Quang Nam	3.65	3.94	4.27	4.62	5.00	5.41	5.86	6.35	6.88	7.46				
34	505	Quang Ngai	Quang Ngai	3.97	4.30	4.65	5.03	5.44	5.89	6.38	6.92	7.49	8.12				
35	507	Binh Dinh	Binh Dinh	6.46	6.87	7.31	7.77	8.26	8.78	9.34	9.94	10.58	11.26				
36	509	Phu Yen	Phu Yen	3.92	4.16	4.42	4.70	4.99	5.31	5.65	6.01	6.39	6.80				
37	511	Khanh Hoa	Khanh Hoa	12.44	13.22	14.05	14.93	15.87	16.87	17.95	19.09	20.32	21.63				
38	705	Ninh Thuan	Ninh Thuan	6.28	6.67	7.08	7.53	8.00	8.51	9.05	9.62	10.24	10.90				
39	715	Binh Thuan	Binh Thuan	7.27	7.72	8.20	8.71	9.26	9.85	10.47	11.14	11.85	12.62				
Total/Average				7.17	7.67	8.21	8.78	9.41	10.08	10.80	11.57	12.41	13.31				
CENTRAL HIGHLANDS																	
40	603	Gia Lai	Gia Lai	3.62	3.82	4.04	4.27	4.52	4.78	5.06	5.36	5.68	6.02				
41	601	Kon Tum	Kon Tum	4.10	4.33	4.58	4.84	5.13	5.42	5.74	6.08	6.44	6.82				
42	605	Dac Lac	Dac Lac	6.15	6.51	6.89	7.29	7.72	8.17	8.65	9.17	9.71	10.29				
43	703	Lam Dong	Lam Dong	7.06	7.49	7.95	8.44	8.97	9.53	10.14	10.78	11.45	12.20				
Total/Average				5.66	6.00	6.35	6.73	7.13	7.56	8.01	8.50	9.02	9.57				
SOUTH EAST																	
44	701	HO CHI MINH*	HO CHI MINH*	24.50	26.46	28.58	30.89	33.41	36.14	39.12	42.37	45.90	49.76				
45	711	Binh Duong	Song Be	9.15	9.89	10.69	11.56	12.51	13.54	14.65	15.8	17.1	18.5				
46	707	Binh Phuoc	Binh Phuoc	5.30	5.77	6.28	6.82	7.40	8.02	8.68	9.38	10.14	10.95				
47	709	Tay Ninh	Tay Ninh	5.12	5.44	5.78	6.14	6.52	6.93	7.37	7.85	8.35	8.89				
48	713	Dong Nai	Dong Nai	8.19	8.85	9.56	10.33	11.17	12.08	13.08	14.16	15.35	16.64				
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	11.91	12.87	13.90	15.02	16.24	17.57	19.02	20.60	22.32	24.19				
Total/Average				17.17	18.54	20.02	21.64	23.39	25.30	27.37	29.66	32.04	34.63				
MEKONG RIVER DELTA																	
50	801	Long An	Long An	6.46	6.88	7.33	7.80	8.29	8.82	9.39	9.99	10.64	11.33				
51	803	Dong Thap	Dong Thap	3.56	3.78	4.02	4.27	4.54	4.82	5.13	5.46	5.81	6.18				
52	805	An Giang	An Giang	10.40	11.21	12.05	12.92	13.83	14.79	15.79	16.85	17.98	19.17				
53	807	Tien Giang	Tien Giang	3.89	4.13	4.39	4.66	4.95	5.27	5.60	5.96	6.34	6.75				
54	811	Ben Tre	Ben Tre	6.30	6.90	7.54	8.22	8.96	9.75	10.60	11.52	12.50	13.55				
55	809	Vinh Long	Vinh Long	4.55	4.83	5.13	5.46	5.80	6.17	6.56	6.98	7.43	7.91				
56	817	Tra Vinh	Tra Vinh	2.79	2.96	3.14	3.34	3.55	3.77	4.01	4.27	4.54	4.83				
57	815	Can Tho	Can Tho	5.36	5.69	6.05	6.43	6.84	7.27	7.73	8.23	8.75	9.32				
58	819	Soc Trang	Soc Trang	4.94	5.41	5.92	6.46	7.05	7.69	8.37	9.11	9.90	10.75				
59	813	Kien Giang	Kien Giang	10.70	11.44	12.21	13.02	13.88	14.78	15.74	16.76	17.85	19.01				
60	821	Bac Lieu	Minh Hai	5.97	6.50	7.07	7.67	8.33	9.02	9.76	10.56	11.41	12.32				
61	823	Ca Mau	Ca Mau	4.09	4.34	4.61	4.90	5.21	5.54	5.89	6.27	6.67	7.10				
Total/Average				6.36	6.82	7.32	7.84	8.39	8.98	9.61	10.27	10.99	11.75				
GRAND TOTAL/AVERAGE				7.63	8.21	8.83	9.51	10.23	11.01	11.85	12.64	13.45	14.33				

Appendix I-7-6A Main POTS Market Forecast

(I) Teledensity Scenario 3: Average GDP Growth Rate = 10% till 2020

		Teledensity 1998-2010													
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Code	Province Designated City (From 1996) (Before 1995)														
NORTH EAST															
1	201 Ha Giang	Ha Giang	0.65	0.70	0.74	0.80	0.85	0.91	0.97	1.03	1.10	1.17	1.24	1.32	1.41
2	211 Tuyen Quang	Tuyen Quang	0.76	0.87	0.99	1.14	1.29	1.46	1.65	1.85	2.06	2.29	2.54	2.81	3.11
3	203 Cao Bang	Cao Bang	0.74	0.81	0.88	0.95	1.03	1.11	1.19	1.27	1.35	1.44	1.54	1.64	1.75
4	209 Lang Son	Lang Son	1.45	1.90	2.24	2.66	3.11	3.58	4.08	4.60	5.12	5.67	6.22	6.80	7.39
5	265 Lao Cai	Lao Cai	1.24	1.48	1.72	1.99	2.26	2.52	2.77	3.02	3.26	3.51	3.77	4.04	4.32
6	213 Yen Bai	Yen Bai	0.90	0.97	1.02	1.09	1.16	1.24	1.32	1.40	1.49	1.58	1.69	1.80	1.92
7	207 Bac Can	Bac Thai	0.57	0.71	0.87	1.07	1.28	1.51	1.74	1.97	2.21	2.44	2.68	2.92	3.16
8	215 Thai Nguyen		1.35	1.62	1.89	2.19	2.48	2.76	3.04	3.31	3.57	3.85	4.13	4.43	4.73
9	225 Quang Ninh	Quang Ninh	3.16	3.49	3.78	4.21	4.65	5.13	5.64	6.20	6.82	7.50	8.24	9.07	9.97
10	217 Phu Tho	Vinh Phua	0.97	1.13	1.27	1.42	1.57	1.71	1.84	1.98	2.12	2.26	2.41	2.58	2.75
11	219 Vinh Phuc		0.94	1.03	1.11	1.20	1.30	1.39	1.49	1.59	1.69	1.80	1.92	2.05	2.18
12	221 Bac Giang	Ha Bac	0.88	0.94	0.99	1.06	1.13	1.20	1.28	1.36	1.45	1.54	1.64	1.75	1.86
13	223 Bac Ninh		1.41	1.65	1.87	2.14	2.43	2.74	3.06	3.42	3.79	4.20	4.63	5.10	5.60
		Total/Average	1.35	1.54	1.71	1.93	2.15	2.38	2.61	2.86	3.11	3.39	3.68	3.99	4.32
NORTH WEST															
14	301 Lai Chau	Lai Chau	0.70	0.74	0.78	0.83	0.88	0.94	1.00	1.06	1.13	1.20	1.28	1.36	1.45
15	303 Son La	Son La	0.73	0.91	1.12	1.37	1.65	1.94	2.23	2.53	2.83	3.13	3.44	3.75	4.06
16	305 Hoa Binh	Hoa Binh	0.89	1.16	1.45	1.78	2.12	2.45	2.76	3.06	3.35	3.64	3.93	4.22	4.52
		Total/Average	0.77	0.94	1.13	1.36	1.60	1.84	2.08	2.31	2.55	2.78	3.02	3.26	3.51
RED RIVER DELTA															
17	101 HA NOI*	HA NOI*	12.48	13.49	14.36	15.72	17.15	18.68	20.35	22.16	24.16	26.35	28.78	31.45	34.40
18	103 HAI PHONG*	HAI PHONG*	2.67	3.31	3.98	4.82	5.69	6.59	7.52	8.48	9.49	10.57	11.73	12.98	14.34
19	165 Ha Tay	Ha Tay	1.22	1.43	1.65	1.93	2.23	2.55	2.89	3.26	3.65	4.08	4.54	5.03	5.57
20	107 Hai Duong	Hai Hung	1.30	1.53	1.78	2.13	2.52	2.96	3.45	4.00	4.62	5.30	6.04	6.94	7.91
21	109 Hung Yen		0.81	0.89	0.97	1.08	1.19	1.31	1.44	1.59	1.74	1.92	2.11	2.32	2.55
22	115 Thai Binh	Thai Binh	0.80	0.87	0.93	1.01	1.09	1.18	1.27	1.37	1.47	1.58	1.70	1.83	1.97
23	111 Ha Nam	Nam Ha	0.72	0.77	0.82	0.88	0.95	1.02	1.10	1.18	1.27	1.36	1.46	1.57	1.69
24	113 Nam Dinh		1.00	1.17	1.32	1.50	1.66	1.83	1.99	2.16	2.34	2.52	2.71	2.92	3.15
25	117 Ninh Binh	Ninh Binh	0.76	0.95	1.14	1.36	1.58	1.81	2.02	2.24	2.45	2.67	2.90	3.14	3.40
		Total/Average	3.28	3.68	4.07	4.59	5.15	5.74	6.37	7.04	7.76	8.58	9.46	10.42	11.47
NORTH CENTRAL															
26	401 Thanh Hoa	Thanh Hoa	0.61	0.80	1.00	1.23	1.45	1.67	1.87	2.07	2.27	2.47	2.67	2.89	3.11
27	403 Nghe An	Nghe An	1.39	1.81	2.24	2.72	3.19	3.63	4.04	4.45	4.85	5.27	5.70	6.15	6.63
28	435 Ha Tinh	Ha Tinh	0.61	0.66	0.70	0.76	0.82	0.88	0.95	1.02	1.09	1.18	1.27	1.36	1.47
29	407 Quang Binh	Quang Binh	1.22	1.55	1.90	2.31	2.72	3.12	3.52	3.90	4.29	4.68	5.08	5.50	5.94
30	409 Quang Tri	Quang Tri	1.86	1.99	2.10	2.26	2.43	2.61	2.80	3.01	3.23	3.47	3.72	4.00	4.30
31	411 Thua Thien-Hue	Thua Thien-Hue	2.18	2.53	2.84	3.22	3.60	3.99	4.40	4.85	5.34	5.87	6.46	7.10	7.81
		Total/Average	1.10	1.36	1.62	1.92	2.22	2.51	2.79	3.07	3.35	3.65	3.96	4.29	4.64
SOUTH CENTRAL COAST															
32	501 DA NANG*	Quang Nam- Da Nang	5.43	6.43	7.25	8.24	9.21	10.20	11.25	12.37	13.60	14.94	16.42	18.05	19.86
33	503 Quang Nam		1.01	1.19	1.36	1.57	1.79	2.01	2.24	2.48	2.74	3.02	3.33	3.66	4.03
34	505 Quang Ngai	Quang Ngai	1.36	1.51	1.65	1.84	2.05	2.26	2.49	2.74	3.01	3.31	3.63	4.00	4.40
35	507 Binh Dinh	Binh Dinh	1.69	2.09	2.49	2.91	3.39	3.82	4.24	4.66	5.09	5.52	5.98	6.46	6.97
36	509 Phu Yen	Phu Yen	1.31	1.53	1.74	1.98	2.21	2.44	2.66	2.89	3.13	3.38	3.64	3.92	4.23
37	511 Khanh Hoa	Khanh Hoa	3.63	4.43	5.19	6.04	6.85	7.62	8.38	9.14	9.91	10.71	11.56	12.46	13.42
38	705 Ninh Thuan	Ninh Thuan	2.14	2.55	2.90	3.28	3.65	3.99	4.34	4.69	5.06	5.44	5.85	6.30	6.78
39	715 Binh Thuan	Binh Thuan	2.45	2.88	3.27	3.72	4.14	4.56	4.97	5.39	5.82	6.28	6.77	7.28	7.84
		Total/Average	2.17	2.58	2.96	3.40	3.83	4.26	4.69	5.13	5.60	6.09	6.62	7.19	7.81
CENTRAL HIGHLANDS															
40	603 Gia Lai	Gia Lai	1.64	1.82	1.97	2.14	2.30	2.45	2.61	2.78	2.95	3.13	3.33	3.54	3.76
41	601 Kon Tum	Kon Tum	1.79	2.00	2.16	2.36	2.54	2.72	2.91	3.10	3.30	3.52	3.75	3.99	4.25
42	605 Dak Lac	Dak Lac	1.73	2.11	2.48	2.90	3.30	3.69	4.06	4.42	4.79	5.16	5.54	5.94	6.36
43	703 Lam Dong	Lam Dong	3.27	3.54	3.75	4.04	4.33	4.64	4.97	5.34	5.73	6.15	6.60	7.09	7.63
		Total/Average	2.15	2.44	2.70	3.01	3.31	3.61	3.90	4.21	4.52	4.85	5.19	5.56	5.95
SOUTHEAST															
44	701 HO CHI MINH*	HO CHI MINH*	8.46	9.49	10.37	11.58	12.82	14.12	15.52	17.03	18.68	20.49	22.50	24.70	27.13
45	711 Binh Duong	Song Be	3.55	3.78	4.01	4.39	4.82	5.28	5.78	6.34	6.95	7.63	8.38	9.21	10.12
46	702 Binh Phuoc		1.32	1.51	1.71	1.97	2.25	2.56	2.89	3.25	3.64	4.06	4.53	5.03	5.57
47	709 Tay Ninh	Tay Ninh	2.10	2.34	2.54	2.80	3.05	3.31	3.57	3.84	4.14	4.45	4.78	5.14	5.53
48	713 Dong Nai	Dong Nai	2.78	3.17	3.50	3.91	4.32	4.76	5.22	5.72	6.26	6.86	7.53	8.26	9.07
49	717 Ba Ria- Vung Tau	Ba Ria- Vung Tau	4.17	4.70	5.13	5.71	6.30	6.91	7.58	8.30	9.10	9.98	10.95	12.02	13.20
		Total/Average	5.93	6.65	7.28	8.12	8.99	9.90	10.87	11.93	13.08	14.35	15.75	17.28	18.98
MEKONG RIVER DELTA															
50	801 Long An	Long An	1.59	1.94	2.31	2.74	3.18	3.63	4.07	4.52	4.97	5.44	5.92	6.42	6.95
51	803 Dong Thap	Dong Thap	1.22	1.43	1.61	1.83	2.03	2.23	2.44	2.64	2.85	3.08	3.31	3.57	3.84
52	805 An Giang	An Giang	1.65	2.06	2.52	3.13	3.81	4.56	5.36	6.21	7.10	8.02	8.98	9.98	11.01
53	807 Tien Giang	Tien Giang	1.32	1.56	1.76	2.00	2.22	2.44	2.66	2.89	3.12	3.36	3.62	3.90	4.20
54	811 Ben Tre	Ben Tre	1.41	1.64	1.88	2.19	2.53	2.90	3.30	3.74	4.22	4.74	5.30	5.92	6.59
55	809 Vinh Long	Vinh Long	1.32	1.60	1.87	2.17	2.47	2.76	3.04	3.32	3.61	3.91	4.22	4.55	4.90
56	817 Tra Vinh	Tra Vinh	1.18	1.30	1.40	1.53	1.66	1.80	1.94	2.09	2.25	2.42	2.60	2.80	3.01
57	815 Can Tho	Can Tho	1.80	2.09	2.36	2.68	2.99	3.31	3.62	3.94	4.27	4.62	4.98	5.37	5.78
58	819 Soc Trang	Soc Trang	1.15	1.32	1.50	1.74	2.00	2.28	2.59	2.92	3.29	3.70	4.14	4.62	5.16
59	813 Kien Giang	Kien Giang	1.97	2.49	3.06	3.77	4.54	5.35	6.17	7.01	7.86	8.72	9.59	10.50	11.44
60	821 Bac Lieu	Minh Hai	1.45	1.68	1.91	2.20	2.53	2.87	3.25	3.66	4.10	4.57	5.09	5.66	6.27
61	823 Ca Mau		1.41	1.65	1.87	2.12	2.35	2.58	2.81	3.04	3.28	3.54	3.81	4.10	4.42
		Total/Average	1.57	1.87	2.18	2.55	2.95	3.36	3.78	4.22	4.69	5.17	5.68	6.21	6.78
GRAND TOTAL/AVERAGE			2.33	2.68	3.01	3.43	3.86	4.30	4.76	5.25	5.77	6.33	6.93	7.58	8.29

Appendix I-7-6A Main POTS Market Forecast

(1) Teledensity Scenario 3: Average GDP Growth Rate = 10% till 2020

			Teledensity 2011-2020										
Code	Province	Designated City (From 1996)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
NORTHEAST													
1	201	Ha Giang	Ha Giang	1.50	1.60	1.71	1.82	1.95	2.08	2.22	2.38	2.54	2.72
2	211	Tuyen Quang	Tuyen Quang	3.43	3.77	4.14	4.55	4.98	5.45	5.96	6.51	7.11	7.75
3	203	Cao Bang	Cao Bang	1.87	1.99	2.12	2.27	2.42	2.59	2.76	2.95	3.16	3.37
4	209	Lang Son	Lang Son	8.00	8.65	9.32	10.02	10.77	11.56	12.39	13.29	14.24	15.23
5	205	Lao Cai	Lao Cai	4.62	4.94	5.27	5.63	6.02	6.43	6.87	7.35	7.85	8.40
6	213	Yen Bai	Yen Bai	2.04	2.18	2.32	2.48	2.65	2.83	3.02	3.23	3.45	3.69
7	207	Bac Can	Bac Thai	3.42	3.68	3.95	4.24	4.55	4.87	5.22	5.58	5.97	6.39
8	215	Thai Nguyen		5.06	5.41	5.78	6.17	6.59	7.05	7.53	8.05	8.61	9.20
9	225	Quang Ninh	Quang Ninh	10.97	12.07	13.29	14.64	16.13	17.78	19.60	21.61	23.84	26.30
10	217	Phu Tho	Vinh Phu	2.93	3.13	3.34	3.56	3.80	4.06	4.34	4.64	4.96	5.30
11	219	Vinh Phuc		2.33	2.48	2.65	2.83	3.02	3.22	3.45	3.68	3.94	4.21
12	224	Bac Giang	Ha Bac	1.98	2.12	2.26	2.41	2.57	2.75	2.94	3.14	3.35	3.59
13	223	Bac Ninh		6.14	6.71	7.31	8.00	8.72	9.49	10.32	11.21	12.17	13.20
<i>Total/Average</i>				4.67	5.05	5.47	5.91	6.39	6.91	7.47	8.08	8.74	9.43
NORTH WEST													
14	301	Lai Chau	Lai Chau	1.55	1.65	1.76	1.88	2.01	2.15	2.29	2.45	2.62	2.80
15	303	Son La	Son La	4.38	4.72	5.07	5.44	5.84	6.25	6.69	7.16	7.67	8.21
16	305	Hoa Binh	Hoa Binh	4.81	5.18	5.54	5.92	6.32	6.76	7.22	7.72	8.26	8.83
<i>Total/Average</i>				3.77	4.04	4.33	4.64	4.96	5.31	5.68	6.07	6.50	6.95
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	37.66	41.28	45.28	49.73	54.66	54.66	54.66	54.66	54.66	54.66
18	103	HAI PHONG*	HAI PHONG*	15.82	17.45	19.25	21.22	23.40	25.80	28.46	31.39	34.64	38.23
19	105	Ha Tay	Ha Tay	6.14	6.77	7.44	8.17	8.96	9.82	10.74	11.74	12.82	13.99
20	107	Hai Duong	Hai Hung	8.99	10.20	11.56	13.08	14.77	16.67	18.79	21.15	23.79	26.74
21	109	Hung Yen		2.80	3.08	3.39	3.73	4.11	4.53	4.99	5.50	6.07	6.69
22	115	Thai Binh	Thai Binh	2.12	2.28	2.46	2.65	2.85	3.08	3.32	3.58	3.86	4.16
23	111	Ha Nam	Nam Ha	1.82	1.96	2.11	2.27	2.45	2.64	2.81	3.06	3.31	3.57
24	113	Nam Dinh		3.39	3.65	3.93	4.23	4.56	4.91	5.30	5.71	6.16	6.65
25	117	Ninh Binh	Ninh Binh	3.67	3.96	4.27	4.60	4.96	5.35	5.77	6.22	6.72	7.25
<i>Total/Average</i>				12.63	13.91	15.32	16.87	18.59	19.42	20.32	21.31	22.39	23.59
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	3.36	3.62	3.90	4.20	4.53	4.88	5.27	5.68	6.13	6.61
27	403	Nghe An	Nghe An	7.14	7.70	8.29	8.94	9.63	10.38	11.19	12.07	13.02	14.05
28	405	Ha Tinh	Ha Tinh	1.58	1.70	1.83	1.97	2.12	2.29	2.46	2.66	2.87	3.09
29	407	Quang Binh	Quang Binh	6.42	6.92	7.46	8.05	8.68	9.35	10.09	10.88	11.74	12.67
30	409	Quang Tri	Quang Tri	4.63	4.98	5.37	5.78	6.23	6.71	7.23	7.80	8.42	9.08
31	411	Thua Thien-Hue	Thua Thien-Hue	8.59	9.46	10.41	11.47	12.64	13.93	15.36	16.94	18.68	20.62
<i>Total/Average</i>				5.02	5.43	5.87	6.35	6.87	7.44	8.05	8.72	9.45	10.25
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	21.85	24.04	26.47	29.16	32.13	35.42	39.05	43.06	47.51	52.43
33	503	Quang Nam		4.44	4.89	5.38	5.93	6.53	7.20	7.94	8.76	9.66	10.66
34	505	Quang Ngai	Quang Ngai	4.84	5.32	5.85	6.46	7.11	7.84	8.65	9.53	10.52	11.61
35	507	Binh Dinh	Binh Dinh	7.51	8.10	8.72	9.40	10.14	10.93	11.79	12.71	13.72	14.80
36	509	Phu Yen	Phu Yen	4.55	4.90	5.28	5.69	6.13	6.61	7.12	7.68	8.29	8.94
37	511	Khanh Hoa	Khanh Hoa	14.46	15.57	16.77	18.07	19.48	20.99	22.64	24.41	26.34	28.42
38	705	Ninh Thuan	Ninh Thuan	7.30	7.85	8.46	9.11	9.82	10.58	11.41	12.31	13.28	14.33
39	715	Binh Thuan	Binh Thuan	8.44	9.09	9.79	10.55	11.37	12.25	13.21	14.24	15.37	16.58
<i>Total/Average</i>				8.48	9.22	10.02	10.89	11.85	12.89	14.03	15.28	16.65	18.14
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	4.01	4.27	4.55	4.86	5.19	5.54	5.92	6.32	6.76	7.23
41	601	Kon Tum	Kon Tum	4.54	4.84	5.16	5.51	5.88	6.28	6.71	7.17	7.67	8.20
42	605	Dac Lac	Dac Lac	6.80	7.26	7.76	8.29	8.86	9.46	10.11	10.81	11.56	12.36
43	703	Lam Dong	Lam Dong	8.20	8.82	9.50	10.22	11.01	11.86	12.78	13.78	14.86	16.03
<i>Total/Average</i>				6.37	6.81	7.30	7.81	8.37	8.97	9.61	10.30	11.05	11.85
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	29.81	32.77	36.04	39.66	43.66	48.08	52.98	52.98	52.98	52.98
45	711	Binh Duong	Song Be	11.13	12.25	13.48	14.84	16.35	18.01	19.85	21.7	24.0	26.4
46	707	Binh Phuoc		6.16	6.80	7.50	8.26	9.08	9.97	10.94	12.00	13.14	14.39
47	709	Tay Ninh	Tay Ninh	5.95	6.41	6.90	7.43	8.01	8.63	9.30	10.03	10.82	11.68
48	713	Dong Nai	Dong Nai	9.97	10.96	12.05	13.26	14.60	16.08	17.71	19.53	21.54	23.77
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	14.50	15.94	17.53	19.28	21.23	23.38	25.76	28.40	31.32	34.56
<i>Total/Average</i>				20.85	22.91	25.19	27.70	30.49	33.56	36.96	35.49	37.30	38.19
MEKONG RIVER DELTA													
50	801	Long An	Long An	7.51	8.11	8.75	9.44	10.18	10.98	11.84	12.78	13.79	14.88
51	803	Dong Thap	Dong Thap	4.14	4.45	4.80	5.17	5.57	6.00	6.47	6.98	7.53	8.12
52	805	An Giang	An Giang	12.08	13.20	14.39	15.64	16.97	18.40	19.92	21.55	23.31	25.20
53	807	Tien Giang	Tien Giang	4.52	4.85	5.24	5.64	6.08	6.55	7.07	7.62	8.22	8.87
54	811	Ben Tre	Ben Tre	7.33	8.13	9.00	9.96	11.00	12.14	13.38	14.73	16.20	17.80
55	809	Vinh Long	Vinh Long	5.28	5.69	6.13	6.61	7.12	7.67	8.28	8.92	9.63	10.39
56	817	Tra Vinh	Tra Vinh	3.24	3.49	3.75	4.04	4.35	4.69	5.06	5.46	5.89	6.35
57	815	Can Tho	Can Tho	6.23	6.71	7.23	7.78	8.39	9.04	9.75	10.52	11.35	12.24
58	819	Soc Trang	Soc Trang	5.74	6.37	7.07	7.83	8.66	9.57	10.56	11.65	12.83	14.13
59	813	Kien Giang	Kien Giang	12.43	13.47	14.58	15.76	17.03	18.39	19.86	21.44	23.14	24.99
60	821	Bac Lieu	Minh Hai	6.93	7.66	8.44	9.29	10.22	11.22	12.32	13.50	14.79	16.19
61	823	Ca Mau		4.75	5.12	5.51	5.94	6.40	6.90	7.43	8.02	8.65	9.33
<i>Total/Average</i>				7.39	8.04	8.74	9.49	10.30	11.17	12.12	13.14	14.24	15.44
GRAND TOTAL/AVERAGE				9.06	9.91	10.83	11.84	12.94	13.96	15.08	15.74	16.64	17.62

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines

*: Designated City

				Main Lines								
				1991	1992	1993	1994	1995	1996	1997	1998	
Code	Province	Designated City (From 1996)	Designated City (Before 1995)									
												Actual
												(Feb. 1999)
NORTH EAST												
1	201	Ha Giang	Ha Giang	-	-	572	1,338	2,150	2,641	3,049	3,722	
2	211	Tuyen Quang	Tuyen Quang	869	1,014	1,011	1,570	2,240	2,963	4,216	5,266	
3	203	Cao Bang	Cao Bang	491	570	875	1,414	1,980	2,525	3,255	4,261	
4	209	Lang Son	Lang Son	631	1,141	1,955	2,961	4,440	5,743	7,708	10,778	
5	205	Lao Cai	Lao Cai	-	-	900	1,601	2,850	4,048	5,618	7,398	
6	213	Yen Bai	Yen Bai	938	1,211	1,104	1,702	2,988	3,845	5,067	6,297	
7	207	Bac Can	Bac Thai	986	1,410	2,740	4,147	6,625	10,138	13,45	18,25	
8	215	Thai Nguyen								11,780	13,685	
9	225	Quang Ninh	Quang Ninh	2,481	3,467	5,307	8,152	13,975	19,855	23,728	30,028	
10	217	Phu Tho	Vinh Phu	1,174	1,228	2,331	4,435	7,375	11,644	10,307	12,707	
11	219	Vinh Phuc								7,133	10,358	
12	221	Bac Giang	Ha Bac	1,830	2,098	3,372	5,638	9,438	13,837	10,493	13,145	
13	223	Bac Ninh								9,529	13,779	
Total/Average				9,400	12,139	20,167	32,998	54,061	77,269	103,258	133,249	
NORTH WEST												
14	301	Lai Chau	Lai Chau	570	630	762	1,312	2,116	2,737	3,198	3,958	
15	303	Son La	Son La	564	688	891	1,570	2,726	3,710	5,050	6,250	
16	305	Hoa Binh	Hoa Binh	-	-	1,012	1,619	2,648	3,897	5,426	6,958	
Total/Average				1,134	1,318	2,665	4,501	7,490	10,344	13,674	17,166	
RED RIVER DELTA												
17	101	HA NOI*	HA NOI*	18,589	25,912	41,824	82,212	138,051	201,388	247,262	302,851	
18	103	HAI PHONG*	HAI PHONG*	3,138	3,214	6,462	10,462	18,260	25,807	33,672	45,872	
19	105	Ha Tay	Ha Tay	2,625	3,204	3,683	6,087	10,199	16,074	23,060	29,289	
20	107	Hai Duong	Hai Hung	1,780	2,337	4,699	7,446	12,028	16,978	17,442	22,543	
21	109	Hung Yen								6,240	8,980	
22	115	Thai Binh	Thai Binh	841	1,035	1,790	4,000	7,000	10,044	12,202	14,909	
23	111	Ha Nam	Nam Ha	2,041	2,492	3,649	5,832	9,942	14,148	4,228	5,991	
24	113	Nam Dinh								15,475	19,595	
25	117	Ninh Binh	Ninh Binh	-	-	1,011	1,749	2,718	3,868	5,183	7,019	
Total/Average				29,014	38,194	63,148	117,788	198,191	288,307	364,764	457,049	
NORTH CENTRAL												
26	401	Thanh Hoa	Thanh Hoa	1,085	1,495	2,201	4,241	7,065	10,945	15,977	22,039	
27	403	Nghe An	Nghe An	1,230	1,750	4,250	7,805	14,805	20,990	30,576	40,676	
28	405	Ha Tinh	Ha Tinh	-	282	759	1,969	3,965	5,881	6,888	8,384	
29	407	Quang Binh	Quang Binh	409	687	1,250	2,011	3,820	6,034	7,707	10,014	
30	409	Quang Tri	Quang Tri	454	886	1,554	2,898	4,986	6,871	8,521	10,621	
31	411	Thua Thien-Hue	Thua Thien-Hue	1,794	2,144	3,096	5,274	9,306	14,093	18,731	23,031	
Total/Average				4,972	7,244	13,110	24,201	43,947	64,815	88,400	114,765	
SOUTH CENTRAL COAST												
32	501	DA NANG*	Quang Nam-Da Nang	4,217	5,994	9,750	14,050	21,878	29,631	29,173	36,789	
33	503	Quang Nam								10,116	14,087	
34	505	Quang Ngai	Quang Ngai	1,330	1,712	2,589	5,017	8,226	11,419	13,684	16,984	
35	507	Binh Dinh	Binh Dinh	2,093	2,708	3,906	6,181	10,200	15,618	21,389	25,389	
36	509	Phu Yen	Phu Yen	975	1,424	1,667	2,785	4,663	6,141	8,284	10,234	
37	511	Khanh Hoa	Khanh Hoa	2,643	3,069	4,361	7,642	13,063	20,633	28,556	36,636	
38	705	Ninh Thuan	Ninh Thuan	-	-	1,293	2,734	3,665	6,956	8,430	10,530	
39	715	Binh Thuan	Binh Thuan	1,793	2,031	2,659	5,533	8,933	12,473	17,235	23,535	
Total/Average				13,051	16,938	26,225	43,942	70,628	102,877	137,367	174,184	
CENTRAL HIGHLANDS												
40	603	Gia Lai	Gia Lai	1,205	1,416	1,959	3,221	5,435	8,491	11,607	14,313	
41	601	Kon Tum	Kon Tum	-	-	713	1,209	2,063	3,037	4,050	4,890	
42	605	Dac Lac	Dac Lac	1,046	1,467	2,481	4,774	9,594	15,559	18,849	24,049	
43	703	Lam Dong	Lam Dong	1,859	2,517	4,543	8,554	14,194	19,276	24,384	28,790	
Total/Average				4,110	5,400	9,701	17,758	31,286	46,363	58,890	72,042	
SOUTH EAST												
44	701	HO CHI MINH*	HO CHI MINH*	26,486	39,049	65,559	105,102	175,106	296,012	343,446	434,966	
45	711	Binh Duong	Song Be	1,185	1,457	3,329	6,860	13,369	19,022	18,293	23,683	
46	707	Binh Phuoc								5,615	7,428	
47	709	Tay Ninh	Tay Ninh	1,032	1,672	2,732	4,976	8,606	12,380	15,655	19,858	
48	713	Dong Nai	Dong Nai	2,393	2,237	4,580	10,207	17,471	28,779	40,635	56,635	
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	1,125	1,974	3,560	6,124	11,158	17,306	23,454	30,954	
Total/Average				32,221	46,389	79,760	133,269	225,710	373,529	447,098	573,524	
MEKONG RIVER DELTA												
50	801	Long An	Long An	1,559	2,049	3,119	5,955	9,405	13,162	17,237	20,937	
51	803	Dong Thap	Dong Thap	2,406	3,081	3,478	5,205	8,252	11,446	15,141	19,281	
52	805	An Giang	An Giang	3,029	4,037	6,014	9,213	13,293	19,478	26,181	34,331	
53	807	Tien Giang	Tien Giang	2,016	2,534	3,479	5,807	9,074	13,534	17,583	23,170	
54	811	Ben Tre	Ben Tre	1,368	1,764	2,806	4,580	6,175	11,134	15,087	19,937	
55	809	Vinh Long	Vinh Long	2,090	2,542	2,034	3,630	5,677	7,977	11,217	14,817	
56	817	Tra Vinh	Tra Vinh	-	-	1,784	3,436	5,536	7,512	9,441	12,002	
57	815	Can Tho	Can Tho	4,733	6,654	5,431	9,459	14,532	19,675	25,892	34,712	
58	819	Soc Trang	Soc Trang	-	-	2,583	4,426	6,560	8,305	11,335	14,645	
59	813	Kien Giang	Kien Giang	1,955	2,917	4,328	7,373	12,117	17,679	24,322	29,047	
60	821	Bac Lieu	Minh Hai	2,297	3,399	4,674	9,117	12,414	16,715	8,300	11,583	
61	823	Ca Mau								12,347	15,527	
Total/Average				21,453	28,977	39,730	68,201	103,035	146,617	194,083	249,989	
GRAND TOTAL				115,355	156,599	254,506	442,658	734,355	1,110,115	1,407,534	1,791,968	

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 1: Average Growth Rate = 7% till 2020

*: Designated City

			Main Lines								
Code	Province	Designated City (From 1996)	1998 Forecast	1999	2000	2001	2002	2003	2004	2005	
NORTHEAST											
1	201	Ha Giang	Ha Giang	3,222	4,088	4,402	4,713	5,019	5,331	5,655	
2	211	Tuyen Quang	Tuyen Quang	5,266	6,128	7,049	8,069	9,164	10,338	11,598	
3	203	Cao Bang	Cao Bang	4,261	4,736	5,171	5,605	6,026	6,444	6,868	
4	209	Lang Son	Lang Son	10,778	14,302	17,103	20,238	23,595	27,125	30,783	
5	205	Lao Cai	Lao Cai	7,398	9,018	10,655	12,310	13,908	15,442	16,918	
6	213	Yen Bai	Yen Bai	6,297	6,843	7,327	7,823	8,320	8,831	9,364	
7	207	Bac Can	Bac Thai	1,825	2,324	2,896	3,542	4,237	4,963	5,702	
8	215	Thai Nguyen		13,635	16,682	19,709	22,770	25,726	28,563	31,294	
9	225	Quang Ninh	Quang Ninh	30,028	33,674	37,034	40,474	43,972	47,621	51,454	
10	217	Phu Tho	Vinh Pbu	12,707	14,990	17,100	19,111	20,981	22,752	24,472	
11	219	Vinh Phuc		10,358	11,513	12,571	13,625	14,649	15,666	16,697	
12	221	Bac Giang	Ha Bac	13,145	14,285	15,296	16,331	17,368	18,435	19,548	
13	223	Bac Ninh		13,779	16,035	18,414	21,019	23,785	26,723	29,841	
Total/Average				133,249	154,618	174,728	195,630	216,751	238,235	260,226	282,871
NORTH WEST											
14	301	Lai Chau	Lai Chau	3,958	4,261	4,536	4,826	5,123	5,432	5,757	
15	303	Son La	Son La	6,250	7,960	9,916	12,131	14,512	16,996	19,528	
16	305	Hoa Binh	Hoa Binh	6,958	9,203	11,692	14,349	17,002	19,559	21,983	
Total/Average				17,166	21,424	26,144	31,307	36,636	41,987	47,267	52,442
RED RIVER DELTA											
17	101	HA NOI*	HA NOI*	302,851	336,916	368,701	401,772	435,774	471,506	509,521	
18	103	HAI PHONG*	HAI PHONG*	45,872	57,789	70,474	83,875	97,423	110,974	124,526	
19	105	Ha Tay	Ha Tay	29,289	35,003	40,996	47,506	54,394	61,655	69,405	
20	107	Hai Duong	Hai Hung	22,543	27,010	31,896	37,406	43,459	50,102	57,386	
21	109	Hung Yen		8,980	10,061	11,043	12,047	13,070	14,141	15,280	
22	115	Thai Binh	Thai Binh	14,909	16,473	17,832	19,187	20,531	21,910	23,349	
23	114	Ha Nam	Nam Ha	5,991	6,553	7,039	7,536	8,040	8,565	9,120	
24	113	Nam Dinh		19,595	23,223	26,614	29,883	32,958	35,907	38,799	
25	117	Ninh Binh	Ninh Binh	7,019	8,864	10,808	12,827	14,816	16,744	18,607	
Total/Average				457,049	527,893	585,405	652,037	720,465	791,534	865,992	944,545
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	22,039	29,398	37,316	45,466	53,316	60,687	67,586	
27	403	Nghe An	Nghe An	40,676	53,768	67,495	81,307	94,372	106,517	117,856	
28	405	Ha Tinh	Ha Tinh	8,384	9,171	9,850	10,545	11,250	11,985	12,761	
29	407	Quang Binh	Quang Binh	10,914	12,951	16,109	19,414	22,678	25,828	28,846	
30	409	Quang Tri	Quang Tri	10,621	11,529	12,358	13,225	14,112	15,038	16,014	
31	411	Thua Thien-Hue	Thua Thien-Hue	23,031	27,149	30,837	34,376	37,791	41,210	44,732	
Total/Average				114,765	143,967	173,965	204,332	233,519	261,264	287,793	313,579
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam-Da Nang	36,789	44,300	50,750	56,706	62,329	67,909	73,644	
33	503	Quang Nam		14,087	16,928	19,672	22,395	25,042	27,662	30,306	
34	505	Quang Ngai	Quang Ngai	16,984	19,193	21,269	23,389	25,526	27,730	30,042	
35	507	Binh Dinh	Binh Dinh	25,389	31,873	38,502	45,193	51,631	57,771	63,657	
36	509	Phu Yen	Phu Yen	10,234	12,168	14,016	15,824	17,540	19,190	20,806	
37	511	Khanh Hoa	Khanh Hoa	36,636	45,380	53,917	62,226	70,008	77,336	84,357	
38	705	Ninh Thuan	Ninh Thuan	10,530	12,718	14,691	16,519	18,190	19,764	21,299	
39	715	Binh Thuan	Binh Thuan	23,535	28,180	32,532	36,707	40,612	44,331	47,958	
Total/Average				174,184	210,740	245,550	278,959	310,878	341,693	372,069	402,636
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	14,313	16,410	18,294	20,093	21,783	23,415	25,033	
41	601	Kon Tum	Kon Tum	4,890	5,528	6,069	6,577	7,057	7,529	8,006	
42	605	Dac Lac	Dac Lac	24,049	30,219	36,615	43,145	49,468	55,497	61,239	
43	703	Lam Dong	Lam Dong	28,790	31,995	34,771	37,504	40,194	42,932	45,777	
Total/Average				72,042	84,152	95,749	107,320	118,502	129,374	140,056	150,691
SOUTH EAST											
44	701	HO CHI MINH*	HO CHI MINH*	434,966	501,238	562,281	622,852	682,675	743,471	806,612	
45	711	Binh Duong	Song Be	23,683	25,870	28,047	30,419	32,916	35,572	38,416	
46	707	Binh Phuoc		7,428	8,685	10,021	11,493	13,066	14,748	16,545	
47	709	Tay Ninh	Tay Ninh	19,858	22,449	24,791	27,081	29,291	31,484	33,711	
48	713	Dong Nai	Dong Nai	56,635	66,611	75,448	83,902	92,068	100,272	108,751	
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	30,954	35,721	39,905	43,973	47,977	52,070	56,357	
Total/Average				573,524	660,574	740,493	819,719	897,992	977,618	1,060,392	1,147,683
MEKONG RIVER DELTA											
50	801	Long An	Long An	20,937	25,886	31,087	36,527	41,952	47,288	52,517	
51	803	Dong Thap	Dong Thap	19,281	22,851	26,188	29,404	32,430	35,331	38,177	
52	805	An Giang	An Giang	34,331	43,437	54,056	66,412	80,149	95,046	110,846	
53	807	Tien Giang	Tien Giang	23,170	27,582	31,667	35,565	39,204	42,678	46,079	
54	811	Ben Tre	Ben Tre	19,937	23,560	27,440	31,740	36,371	41,358	46,723	
55	809	Vinh Long	Vinh Long	14,817	18,226	21,577	24,873	27,991	30,950	33,798	
56	817	Tra Vinh	Tra Vinh	12,002	13,359	14,592	15,825	17,034	18,253	19,506	
57	815	Can Tho	Can Tho	34,712	40,853	46,756	52,595	58,198	63,631	68,985	
58	819	Soc Trang	Soc Trang	14,645	17,081	19,702	22,627	25,791	29,212	32,969	
59	813	Kien Giang	Kien Giang	29,047	37,243	46,555	56,990	68,070	79,499	91,038	
60	821	Bac Lieu	Minh Hai	11,583	13,543	15,624	17,917	20,369	22,991	25,793	
61	823	Ca Mau		15,527	18,484	21,222	23,835	26,275	28,603	30,883	
Total/Average				249,989	302,102	356,467	414,308	473,833	534,840	597,252	661,123
GRAND TOTAL				1,791,968	2,099,470	2,398,306	2,703,612	3,008,579	3,316,544	3,631,048	3,955,572

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 1: Average Growth Rate = 7% till 2010

* Designated City

			2006	2007	2008	2009	2010	2011	2012	2013	
Code	Province	Designated City (From 1996) (Before 1995)	Main Lines								
NORTH EAST											
1	201	Ha Giang	Ha Giang	6,353	6,730	7,130	7,554	8,002	8,476	8,979	9,511
2	211	Tuyen Quang	Tuyen Quang	14,391	15,943	17,600	19,372	21,267	23,292	25,456	27,767
3	203	Cao Bang	Cao Bang	7,756	8,229	8,726	9,249	9,801	10,385	11,003	11,656
4	209	Lang Son	Lang Son	38,348	42,214	46,130	50,100	54,140	58,266	62,500	66,865
5	205	Lao Cai	Lao Cai	19,774	21,195	22,636	24,115	25,646	27,240	28,909	30,663
6	213	Yen Bai	Yen Bai	10,516	11,142	11,803	12,504	13,246	14,031	14,863	15,744
7	207	Bac Can	Bac Thai	7,180	7,909	8,632	9,354	10,080	10,815	11,567	12,310
8	215	Thai Nguyen		36,577	39,204	41,871	44,606	47,438	50,387	53,475	56,719
9	225	Quang Ninh	Quang Ninh	60,037	64,799	69,929	75,460	81,426	87,860	94,801	102,290
10	217	Phu Tho	Vinh Phu	27,908	29,684	31,526	33,451	35,472	37,600	39,847	42,221
11	219	Vinh Phuc		18,857	20,007	21,215	22,488	23,831	25,251	26,752	28,341
12	221	Bac Giang	Ha Bac	21,953	23,258	24,640	26,102	27,650	29,290	31,027	32,866
13	223	Bac Ninh		36,662	40,389	44,344	48,539	52,990	57,710	62,718	68,028
Total/Average				306,315	330,704	356,181	382,894	410,986	440,605	471,897	505,012
NORTH WEST											
14	301	Lai Chau	Lai Chau	6,462	6,845	7,252	7,682	8,137	8,620	9,131	9,672
15	303	Son La	Son La	24,558	27,085	29,562	32,033	34,518	37,037	39,611	42,260
16	305	Hoa Binh	Hoa Binh	26,467	28,595	30,699	32,815	34,974	37,199	39,513	41,933
Total/Average				57,517	62,535	67,513	72,530	77,629	82,856	88,255	93,865
RED RIVER DELTA											
17	101	HAI NOI*	HAI NOI*	593,998	641,120	691,910	746,678	805,731	869,475	938,219	1,012,382
18	103	HAI PHONG*	HAI PHONG*	152,061	166,363	181,250	196,887	213,433	231,037	249,844	269,993
19	105	Ha Tay	Ha Tay	86,244	95,425	105,157	115,476	126,419	138,028	150,345	163,416
20	107	Hai Duong	Hai Hung	74,101	83,655	94,099	105,505	117,955	131,536	146,344	162,450
21	109	Hung Yen		17,808	19,218	20,738	22,378	24,146	26,054	28,113	30,333
22	115	Thai Binh	Thai Binh	26,472	28,176	29,989	31,916	33,966	36,148	38,470	40,940
23	111	Ha Nam	Nam Ha	10,332	10,996	11,703	12,455	13,255	14,106	15,012	15,976
24	113	Nam Dinh		44,659	47,721	50,917	54,278	57,825	61,580	65,562	69,791
25	117	Ninh Binh	Ninh Binh	22,203	23,985	25,791	27,644	29,564	31,569	33,673	35,892
Total/Average				1,027,878	1,116,660	1,211,553	1,313,216	1,422,314	1,539,533	1,665,581	1,801,202
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	80,458	86,728	93,064	99,567	106,323	113,397	120,847	128,721
27	403	Nghe An	Nghe An	139,154	149,640	160,308	171,320	182,806	194,871	207,604	221,081
28	405	Ha Tinh	Ha Tinh	14,456	15,385	16,373	17,425	18,544	19,735	21,003	22,351
29	407	Quang Binh	Quang Binh	34,590	37,405	40,243	43,144	46,144	49,273	52,555	56,015
30	409	Quang Tri	Quang Tri	18,145	19,312	20,554	21,874	23,279	24,775	26,366	28,059
31	411	Thua Thien-Hue	Thua Thien-Hue	52,352	56,547	61,051	65,895	71,114	76,740	82,806	89,349
Total/Average				339,156	365,618	391,592	419,226	448,211	478,791	511,180	545,576
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam Da Nang	86,084	92,951	100,331	108,278	116,844	126,080	136,043	146,790
33	503	Quang Nam		35,859	38,849	42,027	45,422	49,062	52,973	57,182	61,716
34	505	Quang Ngai	Quang Ngai	35,112	37,918	40,935	44,182	47,681	51,452	55,520	59,907
35	507	Binh Dinh	Binh Dinh	75,039	80,734	86,550	92,561	98,827	105,403	112,335	119,663
36	509	Phu Yen	Phu Yen	24,055	25,739	27,491	29,326	31,257	33,299	35,461	37,754
37	511	Khanh Hoa	Khanh Hoa	98,115	105,125	112,365	119,917	127,848	136,215	145,069	154,457
38	705	Ninh Thuan	Ninh Thuan	24,413	26,050	27,767	29,578	31,495	33,529	35,689	37,985
39	715	Binh Thuan	Binh Thuan	55,262	59,063	63,028	67,192	71,585	76,235	81,166	86,401
Total/Average				433,937	466,429	500,493	536,455	574,599	615,186	658,464	704,674
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	28,356	30,105	31,936	33,860	35,888	38,030	40,293	42,688
41	601	Kon Tum	Kon Tum	9,015	9,556	10,126	10,729	11,366	12,041	12,755	13,512
42	605	Dac Lac	Dac Lac	72,132	77,461	82,826	88,300	93,943	99,808	105,937	112,370
43	703	Lam Dong	Lam Dong	51,924	55,274	58,833	62,617	66,642	70,924	75,479	80,327
Total/Average				161,426	172,397	183,722	195,506	207,840	220,802	234,466	248,897
SOUTH EAST											
44	701	HO CHI MINH*	HO CHI MINH*	943,929	1,019,647	1,100,932	1,188,377	1,282,563	1,384,081	1,493,547	1,611,610
45	711	Binh Duong	Song Be	44,760	48,304	52,125	56,246	60,692	65,487	70,661	76,243
46	707	Binh Phuoc		20,517	22,708	25,047	27,544	30,210	33,054	36,089	39,327
47	709	Tay Ninh	Tay Ninh	38,411	40,935	43,601	46,425	49,422	52,606	55,991	59,590
48	713	Dong Nai	Dong Nai	122,173	137,341	148,264	160,022	172,690	186,349	201,080	216,971
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	65,777	71,006	76,635	82,701	89,242	96,297	103,907	112,117
Total/Average				1,240,567	1,339,942	1,446,604	1,561,315	1,684,818	1,817,874	1,961,274	2,115,857
MEKONG RIVER DELTA											
50	801	Long An	Long An	62,766	67,892	73,097	78,438	83,968	89,734	95,778	102,141
51	803	Dong Thap	Dong Thap	43,943	46,956	50,101	53,408	56,898	60,592	64,511	68,672
52	805	An Giang	An Giang	144,218	161,448	178,926	196,643	214,641	233,002	251,825	271,226
53	807	Tien Giang	Tien Giang	52,970	56,577	60,348	64,315	68,507	72,947	77,659	82,663
54	811	Ben Tre	Ben Tre	58,694	65,356	72,308	80,185	88,420	97,252	106,719	116,864
55	809	Vinh Long	Vinh Long	39,390	42,236	45,172	48,229	51,436	54,815	58,388	62,174
56	817	Tra Vinh	Tra Vinh	22,179	23,625	25,156	26,780	28,506	30,340	32,290	34,365
57	815	Can Tho	Can Tho	79,803	85,421	91,263	97,389	103,817	110,615	117,812	125,444
58	819	Soc Trang	Soc Trang	41,205	45,848	50,851	56,239	62,040	68,281	74,993	82,208
59	813	Kien Giang	Kien Giang	113,955	125,295	136,628	148,050	159,666	171,585	183,911	196,742
60	821	Bac Lieu	Minh Hai	31,984	35,399	39,046	42,939	47,094	51,528	56,259	61,306
61	823	Ca Mau		35,503	37,921	40,449	43,108	45,917	48,893	52,051	55,405
Total/Average				726,612	793,974	863,545	935,714	1,010,909	1,089,584	1,172,196	1,259,211
GRAND TOTAL				4,293,408	4,647,649	5,021,203	5,416,856	5,837,307	6,285,231	6,763,313	7,274,295

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 1: Average Growth Rate = 7% till 2020

* : Designated City

			Main Lines							
			2014	2015	2016	2017	2018	2019	2020	
Code	Province	Designated City (From 1996) (Before 1995)								
NORTHEAST										
1	201	Ha Giang	Ha Giang	10,075	10,672	11,305	11,975	12,684	13,436	14,232
2	211	Tuyen Quang	Tuyen Quang	30,234	32,867	35,676	38,673	41,868	45,274	48,904
3	203	Cao Bang	Cao Bang	12,348	13,081	13,856	14,678	15,548	16,469	17,445
4	209	Lang Son	Lang Son	71,385	76,082	80,981	86,105	91,478	97,124	103,066
5	205	Lao Cai	Lao Cai	32,510	34,458	36,516	38,691	40,993	43,428	46,005
6	213	Yen Bai	Yen Bai	16,678	17,666	18,714	19,823	20,997	22,242	23,560
7	207	Bac Can	Bac Thai	13,141	13,975	14,847	15,761	16,722	17,734	18,801
8	215	Thai Nguyen		60,135	63,739	67,545	71,569	75,826	80,330	85,098
9	225	Quang Ninh	Quang Ninh	110,369	119,086	128,490	138,636	149,583	161,391	174,136
10	217	Phu Tho	Vinh Phu	44,731	47,388	50,200	53,178	56,331	59,670	63,206
11	219	Vinh Phuc		30,023	31,804	33,690	35,687	37,803	40,043	42,416
12	221	Bac Giang	Ha Bac	31,815	36,879	39,064	41,380	43,832	46,429	49,180
13	223	Bac Ninh		73,660	79,631	85,964	92,678	99,796	107,343	115,343
Total/Average				540,104	577,328	616,848	658,833	703,460	750,915	801,593
NORTH WEST										
14	301	Lai Chau	Lai Chau	10,246	10,853	11,496	12,178	12,899	13,664	14,473
15	303	Son La	Sen La	45,003	47,859	50,844	53,974	57,265	60,730	64,385
16	305	Hoa Binh	Hoa Binh	44,473	47,148	49,970	52,951	56,102	59,437	62,965
Total/Average				99,722	105,860	112,310	119,103	126,266	133,830	141,824
RED RIVER DELTA										
17	101	HA NOI*	HA NOI*	1,092,389	1,178,701	1,271,815	1,372,264	1,480,626	1,597,522	1,723,648
18	103	HAI PHONG*	HAI PHONG*	291,627	314,889	339,927	366,897	395,963	427,297	461,085
19	105	Ha Tay	Ha Tay	177,289	192,017	207,654	224,259	241,896	260,628	280,529
20	107	Hai Duong	Hai Hung	150,054	159,187	220,008	242,655	267,280	294,045	323,127
21	109	Hung Yen		32,729	35,314	38,103	41,112	44,359	47,861	51,640
22	115	Thai Binh	Thai Binh	43,569	46,366	49,342	52,510	55,880	59,467	63,283
23	111	Ha Nam	Nam Ha	17,002	18,093	19,255	20,491	21,806	23,206	24,695
24	113	Nam Dinh		74,285	79,063	84,144	89,549	95,300	101,418	107,929
25	117	Ninh Binh	Ninh Binh	38,238	40,723	43,359	46,158	49,132	52,294	55,656
Total/Average				1,947,181	2,104,353	2,273,607	2,455,896	2,652,242	2,863,739	3,091,592
NORTH CENTRAL										
26	401	Thanh Hoa	Thanh Hoa	137,063	145,915	155,318	165,313	175,940	187,244	199,268
27	403	Nghe An	Nghe An	235,374	250,551	266,680	283,828	302,066	321,466	342,106
28	405	Ha Tinh	Ha Tinh	23,787	25,314	26,939	28,668	30,508	32,466	34,550
29	407	Quang Binh	Quang Binh	59,673	63,547	67,658	72,023	76,662	81,594	86,839
30	409	Quang Tri	Quang Tri	29,860	31,777	33,817	35,983	38,298	40,756	43,372
31	411	Thua Thien-Hue	Thua Thien-Hue	96,408	101,023	112,238	121,101	130,663	140,980	152,110
Total/Average				582,164	621,127	662,650	706,921	754,137	804,506	858,245
SOUTH CENTRAL COAST										
32	504	DA NANG*	Quang Nam-Da Nang	158,385	170,893	184,389	198,949	214,658	231,606	249,891
33	503	Quang Nam		66,601	71,869	77,550	83,677	90,287	97,417	105,110
34	505	Quang Ngai	Quang Ngai	64,640	69,746	75,254	81,197	87,608	94,526	101,958
35	507	Binh Dinh	Binh Dinh	127,428	135,667	144,417	153,717	163,604	174,118	185,303
36	509	Phu Yen	Phu Yen	40,190	42,778	45,530	48,456	51,569	54,881	58,405
37	511	Khanh Hoa	Khanh Hoa	164,424	175,013	186,272	198,244	210,980	224,528	238,943
38	705	Ninh Thuan	Ninh Thuan	40,426	43,023	45,786	48,726	51,854	55,182	58,724
39	715	Binh Thuan	Binh Thuan	91,965	97,880	104,170	110,862	117,981	125,556	133,615
Total/Average				754,059	806,870	863,368	923,829	988,541	1,057,815	1,131,980
CENTRAL HIGHLANDS										
40	603	Gia Lai	Gia Lai	45,222	47,905	50,746	53,755	56,941	60,316	63,890
41	601	Kon Tum	Kon Tum	14,313	15,162	16,060	17,012	18,020	19,088	20,219
42	605	Dac Lac	Dac Lac	119,142	126,282	133,824	141,796	150,228	159,151	168,596
43	703	Lam Dong	Lam Dong	85,485	90,974	96,815	103,030	109,644	116,682	124,171
Total/Average				264,162	280,323	297,445	315,592	334,833	355,236	376,876
SOUTH EAST										
44	701	HO CHI MINH*	HO CHI MINH*	1,738,963	1,876,347	2,024,558	2,184,454	2,356,956	2,543,060	2,743,837
45	711	Binh Duong	Song Be	82,265	88,763	95,773	103,336	11,080	11,955	12,898
46	707	Binh Phuoc		42,780	46,464	50,392	54,580	59,045	63,806	68,880
47	709	Tay Ninh	Tay Ninh	63,419	67,492	71,826	76,437	81,344	86,565	92,121
48	713	Dong Nai	Dong Nai	234,113	252,607	272,559	294,084	317,307	342,361	369,390
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	120,974	130,530	140,839	151,962	163,962	176,908	190,875
Total/Average				2,282,514	2,462,202	2,655,947	2,864,853	2,989,694	3,224,653	3,478,009
SIKONG RIVER DELTA										
50	801	Long An	Long An	103,860	115,959	123,505	131,501	139,992	149,016	158,608
51	803	Dong Thap	Dong Thap	73,094	77,795	82,795	88,114	93,772	99,793	106,198
52	805	An Giang	An Giang	291,329	312,258	334,139	357,098	381,257	406,742	433,676
53	807	Tien Giang	Tien Giang	87,983	93,639	99,656	106,056	112,866	120,111	127,821
54	811	Ben Tre	Ben Tre	127,732	139,370	151,830	165,167	179,437	194,703	211,031
55	809	Vinh Long	Vinh Long	66,191	70,459	74,994	79,817	84,946	90,402	96,207
56	817	Tra Vinh	Tra Vinh	36,572	38,921	41,420	44,079	46,908	49,919	53,123
57	815	Can Tho	Can Tho	133,546	142,153	151,303	161,033	171,382	182,390	194,102
58	819	Soc Trang	Soc Trang	89,961	98,289	107,231	116,828	127,126	138,172	150,015
59	813	Kien Giang	Kien Giang	210,170	224,282	239,160	254,884	271,532	289,182	307,913
60	821	Bac Lieu	Miath Hai	66,690	72,432	78,555	85,084	92,045	99,466	107,376
61	823	Ca Mau		58,971	62,762	66,795	71,084	75,649	80,505	85,672
Total/Average				1,351,099	1,448,329	1,551,382	1,660,744	1,776,913	1,900,401	2,031,742
GRAND TOTAL				7,821,005	8,406,391	9,033,556	9,705,771	10,326,086	11,091,097	11,911,651

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 2: Average Growth Rate = 8% till 2020

*: Designated City

			Main Lines								
Code	Province	Designated City (From 1995)	1993	1999	2000	2001	2002	2003	2004	2005	
NORTH EAST											
1	201	Ha Giang	Ha Giang	3,722	4,088	4,402	4,757	5,113	5,481	5,869	6,279
2	211	Tuyen Quang	Tuyen Quang	5,266	6,128	7,049	8,144	9,335	10,630	12,036	13,562
3	203	Cao Bang	Cao Bang	4,261	4,736	5,171	5,657	6,138	6,625	7,127	7,649
4	209	Lang Son	Lang Son	10,778	14,302	17,103	20,426	24,035	27,839	31,911	36,169
5	205	Lao Cai	Lao Cai	7,398	9,018	10,655	12,424	14,168	15,876	17,556	19,225
6	213	Yen Bai	Yen Bai	6,297	6,843	7,327	7,896	8,475	9,080	9,718	10,395
7	207	Bac Can	Bac Thai	1,825	2,324	2,896	3,575	4,317	5,103	5,917	6,749
8	215	Thai Nguyen		13,685	16,682	19,709	22,982	26,207	29,367	32,475	35,561
9	225	Quang Ninh	Quang Ninh	30,028	33,674	37,034	41,028	45,185	49,603	54,361	59,522
10	217	Phu Tho	Vinh Phu	12,707	14,990	17,100	19,289	21,373	23,393	25,395	27,420
11	219	Vinh Phuc		10,358	11,513	12,571	13,752	14,923	16,107	17,327	18,598
12	221	Bac Giang	Ha Bac	13,145	14,285	15,296	16,483	17,692	18,954	20,285	21,700
13	223	Bac Ninh		13,779	16,035	18,414	21,215	24,230	27,475	30,966	34,720
Total/Average			133,249	154,618	174,728	197,627	221,191	245,584	270,976	297,547	
NORTH WEST											
14	301	Lai Chau	Lai Chau	3,958	4,261	4,536	4,871	5,219	5,585	5,974	6,388
15	303	Son La	Son La	6,250	7,960	9,916	12,241	14,783	17,474	20,264	23,112
16	305	Hoa Binh	Hoa Binh	6,958	9,203	11,692	14,483	17,319	20,110	22,812	25,426
Total/Average			17,166	21,424	26,144	31,598	37,321	43,169	49,050	54,926	
RED RIVER DELTA											
17	101	HANOI*	HANOI*	302,851	336,916	368,701	407,271	447,786	491,135	537,998	588,942
18	103	HAI PHONG*	HAI PHONG*	45,872	57,789	70,474	85,023	100,108	115,594	131,485	147,892
19	105	Ha Tay	Ha Tay	29,289	35,003	40,906	47,916	55,406	63,413	72,010	81,238
20	107	Hai Duong	Hai Hung	22,543	27,010	31,896	37,918	44,657	52,188	60,593	69,964
21	109	Hung Yen		8,980	10,061	11,043	12,212	13,430	14,739	16,134	17,659
22	115	Thai Binh	Thai Binh	14,909	16,473	17,832	19,364	20,913	22,524	24,226	26,038
23	111	Ha Nam	Nam Ha	5,991	6,553	7,039	7,605	8,189	8,805	9,462	10,165
24	113	Nam Dinh		19,595	23,223	26,614	30,159	33,571	36,913	40,256	43,665
25	117	Ninh Binh	Ninh Binh	7,019	8,864	10,808	12,945	15,091	17,213	19,305	21,381
Total/Average			453,049	521,893	585,405	660,444	739,152	822,576	911,469	1,006,944	
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	22,039	29,398	37,316	45,886	54,307	62,388	70,123	77,621
27	403	Nghe An	Nghe An	40,676	53,768	67,495	82,059	96,127	109,502	122,280	134,706
28	405	Ha Tinh	Ha Tinh	8,384	9,171	9,850	10,642	11,459	12,321	13,240	14,223
29	407	Quang Binh	Quang Binh	10,014	12,951	16,109	19,594	23,100	26,551	29,928	33,249
30	409	Quang Tri	Quang Tri	10,621	11,529	12,358	13,347	14,375	15,459	16,615	17,851
31	411	Thua Thien-Hue	Thua Thien-Hue	23,031	27,149	30,837	34,846	38,832	42,926	47,232	51,834
Total/Average			114,765	143,967	173,965	206,376	238,200	269,146	299,417	329,485	
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam-Da Nang	36,789	44,300	50,750	57,483	64,018	70,736	77,760	85,276
33	503	Quang Nam		14,087	16,928	19,672	22,701	25,733	28,814	32,000	35,346
34	505	Quang Ngai	Quang Ngai	16,984	19,193	21,269	23,709	26,229	28,885	31,721	34,780
35	507	Binh Dinh	Binh Dinh	25,389	31,873	38,502	45,611	52,591	59,389	66,046	72,650
36	509	Phu Yen	Phu Yen	10,234	12,168	14,016	15,970	17,866	19,728	21,587	23,475
37	511	Khanh Hoa	Khanh Hoa	36,636	45,380	53,917	62,802	71,310	79,503	87,524	95,534
38	705	Ninh Thuan	Ninh Thuan	10,530	12,718	14,691	16,672	18,528	20,318	22,098	23,913
39	715	Binh Thuan	Binh Thuan	23,535	28,180	32,532	37,046	41,367	45,573	49,759	54,010
Total/Average			174,184	210,740	245,350	281,995	317,671	352,946	388,494	424,985	
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	14,313	16,410	18,294	20,280	22,190	24,074	25,977	27,935
41	601	Kon Tum	Kon Tum	4,890	5,528	6,069	6,638	7,189	7,741	8,308	8,902
42	605	Dac Lac	Dac Lac	24,049	30,219	36,615	43,546	50,392	57,060	63,549	69,917
43	703	Lam Dong	Lam Dong	28,790	34,995	41,771	47,852	54,092	60,135	66,495	72,664
Total/Average			72,042	84,152	95,749	108,316	120,713	133,010	145,330	157,818	
SOUTH EAST											
44	701	HO CHI MINH*	HO CHI MINH*	434,966	501,238	562,281	631,378	701,493	774,423	851,693	934,572
45	711	Binh Duong	Song Be	23,683	25,870	28,047	30,835	33,823	37,053	40,563	44,389
46	707	Binh Phuoc		7,428	8,685	10,021	11,599	13,309	15,161	17,167	19,336
47	709	Tay Ninh	Tay Ninh	19,858	22,449	24,791	27,332	29,835	32,366	34,977	37,708
48	713	Dong Nai	Dong Nai	56,635	66,611	75,448	85,050	94,606	104,447	114,829	125,954
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	30,954	35,721	39,905	44,575	49,299	54,238	59,507	65,193
Total/Average			573,524	660,574	740,493	830,769	922,365	1,017,688	1,118,736	1,227,152	
MEKONG RIVER DELTA											
50	801	Long An	Long An	20,937	25,886	31,087	36,865	42,732	48,613	54,488	60,379
51	803	Dong Thap	Dong Thap	19,281	22,851	26,188	29,676	33,033	36,321	39,610	42,965
52	805	An Giang	An Giang	34,331	43,437	54,056	67,026	81,640	97,709	115,006	133,304
53	807	Tien Giang	Tien Giang	23,170	27,582	31,667	35,894	39,933	43,874	47,808	51,821
54	811	Ben Tre	Ben Tre	19,937	23,560	27,440	32,033	37,048	42,517	48,477	54,967
55	809	Vinh Long	Vinh Long	14,817	18,226	21,577	25,103	28,512	31,817	35,067	38,318
56	817	Tra Vinh	Tra Vinh	12,002	13,359	14,592	15,971	17,351	18,764	20,238	21,791
57	815	Can Tho	Can Tho	34,712	40,853	46,756	53,082	59,280	65,414	71,574	77,853
58	819	Soc Trang	Soc Trang	14,645	17,081	19,702	22,836	26,271	30,031	34,144	38,639
59	813	Kien Giang	Kien Giang	29,047	37,243	46,555	57,517	69,336	81,726	94,455	107,376
60	821	Bac Lieu	Minh Hai	11,583	13,543	15,624	18,083	20,748	23,655	26,761	30,143
61	823	Ca Mau		15,527	18,484	21,222	24,056	26,763	29,405	32,043	34,732
Total/Average			249,989	302,102	356,467	418,143	482,647	549,827	619,671	692,288	
GRAND TOTAL			1,791,968	2,099,470	2,398,300	2,735,268	3,079,260	3,433,887	3,803,143	4,191,145	

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 2: Average Growth Rate = 8% till 2020

* : Designated City

				Main Lines								
				2006	2007	2008	2009	2010	2011	2012	2013	
Code	Province	Designated City (From 1996)	(Before 1995)									
NORTH EAST												
1	201	Ha Giang	Ha Giang	6,715	7,481	7,678	8,210	8,778	9,385	10,034	10,727	
2	211	Tuyen Quang	Tuyen Quang	15,216	17,010	18,952	21,055	23,329	25,789	28,446	31,317	
3	203	Cao Bang	Cao Bang	8,199	8,780	9,396	10,052	10,752	11,498	12,295	13,147	
4	209	Lang Son	Lang Son	40,538	45,040	49,675	54,452	59,390	64,511	69,842	75,415	
5	205	Lao Cai	Lao Cai	20,903	22,613	24,376	26,210	28,133	30,160	32,305	34,581	
6	213	Yen Bai	Yen Bai	11,117	11,887	12,711	13,590	14,530	15,535	16,609	17,758	
7	207	Bac Can	Bac Thai	7,590	8,438	9,296	10,166	11,057	11,974	12,925	13,918	
8	215	Thai Nguyen		38,665	41,828	45,089	48,481	52,038	55,787	59,757	63,971	
9	225	Quang Ninh	Quang Ninh	65,140	71,269	77,965	85					
10	217	Phu Tho	Vinh Phu									
11	219	Vinh Phuc										
12	221	Bac Giang	Ha Bac							34,672	37,069	
13	223	Bac Ninh		38,756	43,093	47,752	52,755	58,128	63,895	70,085	76,726	
Total/Average				325,482	354,972	386,216	419,422	454,803	492,533	532,894	576,780	
NORTH WEST												
14	301	Lai Chau	Lai Chau	6,831	7,304	7,809	8,349	8,926	9,544	10,204	10,909	
15	303	Son La	Son La	25,992	28,898	31,834	34,816	37,865	41,006	44,264	47,663	
16	305	Hoa Binh	Hoa Binh	27,978	30,509	33,058	35,666	38,365	41,186	44,155	47,294	
Total/Average				60,801	66,710	72,701	78,831	85,157	91,736	98,622	105,866	
RED RIVER DELTA												
17	101	HAI NOI*	HAI NOI*	644,485	705,135	771,413	843,870	923,098	1,009,738	1,104,488	1,208,107	
18	103	HAI PHONG*	HAI PHONG*	164,986	182,974	202,076	222,515	244,517	268,308	294,120	322,191	
19	105	Ha Tay	Ha Tay	91,146	101,781	113,199	125,458	138,618	152,748	167,918	184,206	
20	107	Hai Duong	Hai Hung	80,399	92,008	104,911	119,238	135,133	152,755	172,278	193,892	
21	109	Hung Yen		19,321	21,137	23,121	25,291	27,663	30,257	33,095	36,198	
22	115	Thai Binh	Thai Binh	27,976	30,053	32,282	34,675	37,244	40,003	42,966	46,149	
23	111	Ha Nam	Nam Ha	10,919	11,729	12,593	13,532	14,534	15,611	16,767	18,009	
24	113	Nam Dinh		47,197	50,899	54,812	58,970	63,405	68,147	73,225	78,670	
25	117	Ninh Binh	Ninh Binh	23,464	25,583	27,764	30,034	32,417	34,935	37,609	40,459	
Total/Average				1,109,894	1,221,300	1,342,176	1,473,581	1,616,629	1,772,503	1,942,467	2,127,880	
NORTH CENTRAL												
26	401	Thanh Hoa	Thanh Hoa	85,031	92,505	100,181	108,174	116,583	125,490	134,972	145,097	
27	403	Nghe An	Nghe An	147,062	159,608	172,569	186,130	200,447	215,654	231,870	249,208	
28	405	Ha Tinh	Ha Tinh	15,278	16,410	17,626	18,931	20,334	21,840	23,458	25,195	
29	407	Quang Binh	Quang Binh	36,556	39,896	43,320	46,874	50,597	54,527	58,698	63,142	
30	409	Quang Tri	Quang Tri	19,176	20,599	22,126	23,765	25,526	27,417	29,448	31,629	
31	411	Thua Thien-Hue	Thua Thien-Hue	56,802	62,194	68,066	74,473	81,471	89,119	97,481	106,623	
Total/Average				359,904	391,272	423,887	458,347	494,957	534,048	575,927	620,894	
SOUTH CENTRAL COAST												
32	501	DA NANG*	Quang Nam-Da Nang	93,400	102,232	111,860	122,373	133,861	146,420	160,152	175,169	
33	503	Quang Nam		38,906	42,728	46,856	51,335	56,207	61,519	67,316	73,647	
34	505	Quang Ngai	Quang Ngai	38,096	41,704	45,638	49,933	54,625	59,753	65,359	71,489	
35	507	Binh Dinh	Binh Dinh	79,303	86,111	93,169	100,562	108,364	116,644	125,466	134,888	
36	509	Phu Yen	Phu Yen	25,422	27,454	29,593	31,861	34,274	36,850	39,606	42,557	
37	511	Khanh Hoa	Khanh Hoa	103,691	112,127	120,959	130,283	140,185	150,742	162,026	174,108	
38	705	Ninh Thuan	Ninh Thuan	25,800	27,785	29,890	32,135	34,534	37,101	39,860	42,817	
39	715	Binh Thuan	Binh Thuan	58,402	62,998	67,848	73,000	78,493	84,365	90,653	97,394	
Total/Average				653,021	703,139	743,814	791,480	840,542	893,396	950,437	1,012,070	
CENTRAL HIGHLANDS												
40	603	Gia Lai	Gia Lai	29,975	32,120	34,390	36,802	39,368	42,106	45,027	48,146	
41	601	Kon Tum	Kon Tum	9,529	10,195	10,994	11,661	12,468	13,331	14,254	15,239	
42	605	Dac Lac	Dac Lac	76,251	82,646	89,192	95,970	103,053	110,504	118,382	126,738	
43	703	Lam Dong	Lam Dong	54,875	58,956	63,333	68,030	73,073	78,487	84,303	90,546	
Total/Average				170,630	183,918	197,820	212,463	227,963	244,429	261,964	280,670	
SOUTH EAST												
44	701	HO CHI MINH*	HO CHI MINH*	1,024,159	1,121,458	1,227,433	1,343,063	1,469,351	1,607,360	1,758,228	1,923,185	
45	711	Binh Duong	Song Be	48,565	53,127	58,115	63,568	69,531	76,052	83,183	90,983	
46	707	Binh Phuoc		21,683	24,221	26,963	29,925	33,125	36,579	40,307	44,330	
47	709	Tay Ninh	Tay Ninh	40,594	43,662	46,936	50,438	54,191	58,216	62,535	67,171	
48	713	Dong Nai	Dong Nai	137,982	151,054	165,300	180,851	197,840	216,411	236,715	258,918	
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	71,368	78,096	85,441	93,466	102,239	111,831	122,321	133,792	
Total/Average				1,344,351	1,471,618	1,610,188	1,761,312	1,926,277	2,106,449	2,303,290	2,518,389	
MEKONG RIVER DELTA												
50	801	Long An	Long An	66,333	72,414	78,687	85,219	92,071	99,304	106,974	115,136	
51	803	Dong Thap	Dong Thap	46,440	50,083	53,933	58,024	62,388	67,054	72,052	77,409	
52	805	An Giang	An Giang	152,413	172,202	192,611	213,642	235,354	257,859	281,260	305,733	
53	807	Tien Giang	Tien Giang	55,581	60,346	64,963	69,875	75,118	80,727	86,736	93,180	
54	811	Ben Tre	Ben Tre	62,030	69,709	78,054	87,116	96,953	107,623	119,193	131,732	
55	809	Vinh Long	Vinh Long	41,628	45,050	48,627	52,398	56,399	60,661	65,213	70,084	
56	817	Tra Vinh	Tra Vinh	23,440	25,199	27,080	29,095	31,256	33,575	36,065	38,737	
57	815	Can Tho	Can Tho	84,339	91,111	98,243	105,798	113,835	122,412	131,583	141,403	
58	819	Soc Trang	Soc Trang	43,547	48,902	54,740	61,101	68,026	75,563	83,759	92,667	
59	813	Kien Giang	Kien Giang	120,431	133,641	147,078	160,884	175,074	189,884	205,408	221,773	
60	821	Bac Lieu	Minh Hai	33,802	37,757	42,032	46,650	51,638	57,023	62,835	69,106	
61	823	Ca Mau		37,521	40,447	43,542	46,834	50,348	54,108	58,135	62,454	
Total/Average				767,905	846,861	929,590	1,016,601	1,108,461	1,205,784	1,309,212	1,419,114	
GRAND TOTAL				4,601,988	5,039,729	5,508,392	6,012,036	6,554,790	7,140,928	7,774,913	8,461,454	

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 2: Average Growth Rate ~8% till 2020

* Designated City			Main Lines							
Code	Province	Designated City (From 1996)	2014	2015	2016	2017	2018	2019	2020	
NORTH EAST										
1	201	Ha Giang	Ha Giang	11,469	12,262	13,109	14,015	14,984	16,019	17,126
2	211	Tuyen Quang	Tuyen Quang	34,417	37,762	41,371	45,262	49,457	53,978	58,849
3	203	Cao Bang	Cao Bang	14,056	15,029	16,068	17,179	18,366	19,636	20,993
4	209	Lang Son	Lang Son	81,260	87,413	93,906	100,777	108,062	115,798	124,025
5	205	Lao Cai	Lao Cai	37,007	39,590	42,344	45,284	48,424	51,777	55,360
6	213	Yen Bai	Yen Bai	18,985	20,298	21,701	23,200	24,804	26,518	28,350
7	207	Bac Can	Bac Thai	14,959	16,057	17,217	18,446	19,753	21,143	22,624
8	215	Thai Nguyen		68,454	73,231	78,326	83,764	89,571	95,775	102,403
9	225	Quang Ninh	Quang Ninh	133,510	145,026	159,715	174,686	191,059	208,966	228,551
10	217	Phu Tho	Vinh Phu	50,920	54,445	58,213	62,239	66,543	71,142	76,059
11	219	Vinh Phuc		34,177	36,541	39,067	41,768	44,655	47,742	51,011
12	221	Bac Giang	Ha Bac	39,631	42,371	45,300	48,431	51,778	55,356	59,181
13	223	Bac Ninh		83,850	91,491	99,685	108,470	117,887	127,981	138,798
Total/Average				622,697	672,514	726,021	783,522	845,343	911,831	983,360
NORTH WEST										
14	301	Lai Chau	Lai Chau	11,663	12,469	13,331	14,253	15,238	16,291	17,417
15	303	Sen La		51,229	54,987	58,960	63,171	67,645	72,406	77,477
16	305	Hoa Binh	Hoa Binh	50,626	54,170	57,946	61,973	66,273	70,864	75,769
Total/Average				113,518	121,626	130,237	139,397	149,156	159,561	170,663
RED RIVER DELTA										
17	101	HA NOI*	HA NOI*	1,321,427	1,445,354	1,580,880	1,729,090	1,891,168	1,908,208	1,925,402
18	103	HAI PHONG*	HAI PHONG*	352,771	386,125	422,533	462,301	505,754	553,247	605,167
19	105	Ha Tay	Ha Tay	201,694	220,471	240,632	262,280	285,524	310,483	337,283
20	107	Hai Duong	Hai Hung	217,806	244,249	273,472	305,752	341,390	380,718	424,099
21	109	Hung Yen		39,592	43,303	47,363	51,803	56,658	61,969	67,777
22	115	Thai Binh	Thai Binh	49,566	53,237	57,178	61,412	65,959	70,842	76,086
23	111	Ha Nam	Nam Ha	19,342	20,775	22,313	23,965	25,739	27,645	29,691
24	113	Nam Dinh		84,511	90,779	97,507	104,731	112,488	120,818	129,764
25	117	Ninh Binh	Ninh Binh	43,502	46,757	50,245	53,983	57,994	62,297	66,916
Total/Average				2,330,210	2,551,048	2,792,124	3,055,317	3,342,674	3,496,227	3,662,184
NORTH CENTRAL										
26	401	Thanh Hoa	Thanh Hoa	155,931	167,538	179,985	193,339	207,673	223,060	239,582
27	403	Nghé An	Nghé An	267,175	287,679	309,032	331,917	356,546	382,958	411,318
28	405	Ha Tinh	Ha Tinh	27,061	29,065	31,217	33,528	36,011	38,677	41,540
29	407	Quang Binh	Quang Binh	67,887	72,964	78,403	84,234	90,489	97,202	104,407
30	409	Quang Tri	Quang Tri	33,971	36,486	39,188	42,090	45,206	48,552	52,147
31	411	Thua Thien-Hue	Thua Thien-Hue	116,621	127,555	139,513	152,590	166,893	182,535	199,642
Total/Average				669,246	721,287	777,337	837,728	902,817	972,984	1,048,635
SOUTH CENTRAL COAST										
32	501	DA NANG*	Quang Nam Da Nang	191,593	209,554	229,197	250,681	274,177	299,874	327,979
33	503	Quang Nam		80,566	88,128	96,396	105,436	115,321	126,132	137,955
34	505	Quang Ngai	Quang Ngai	78,193	85,524	93,542	102,310	111,900	122,388	133,858
35	507	Binh Dinh		144,920	155,771	167,352	179,777	193,111	207,425	222,792
36	509	Phu Yen	Phu Yen	45,722	49,117	52,761	56,672	60,871	65,379	70,221
37	511	Khanh Hoa	Khanh Hoa	187,058	200,948	215,854	231,854	249,032	267,477	287,284
38	705	Ninh Thuan	Ninh Thuan	45,991	49,399	53,058	56,987	61,206	65,738	70,604
39	715	Binh Thuan	Binh Thuan	104,624	112,384	120,714	129,657	139,260	149,573	160,647
Total/Average				878,716	950,825	1,028,873	1,113,374	1,204,880	1,303,986	1,411,339
CENTRAL HIGHLANDS										
40	603	Gia Lai	Gia Lai	51,479	55,040	58,846	62,914	67,263	71,912	76,882
41	601	Kon Tum	Kon Tum	16,293	17,420	18,624	19,911	21,287	22,758	24,331
42	605	Dac Lac	Dac Lac	135,624	145,090	155,184	165,957	177,461	189,750	202,880
43	703	Lam Dong	Lam Dong	97,253	104,455	112,190	120,497	129,419	139,001	149,292
Total/Average				300,649	322,004	344,844	369,289	395,431	423,421	453,384
SOUTH EAST										
44	701	HO CHI MINH*	HO CHI MINH*	2,103,566	2,300,825	2,516,550	2,752,471	3,010,483	3,292,652	3,601,242
45	711	Binh Duong	Song Be	99,514	108,843	119,047	130,206	14,152	15,478	16,929
46	707	Binh Phuoc		48,669	53,349	58,394	63,833	69,695	76,011	82,815
47	709	Tay Ninh	Tay Ninh	72,149	77,493	83,232	89,396	96,015	103,123	110,758
48	713	Dong Nai	Dong Nai	283,199	309,753	338,794	370,554	405,288	443,275	484,819
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	146,338	160,059	175,065	191,476	209,424	229,053	250,520
Total/Average				2,733,435	3,010,323	3,291,082	3,597,937	3,805,057	4,139,593	4,547,982
MEKONG RIVER DELTA										
50	801	Long An	Long An	123,845	133,154	143,119	153,795	165,241	177,520	190,696
51	803	Dong Thap	Dong Thap	83,156	89,323	95,944	103,052	110,685	118,881	127,683
52	805	An Giang	An Giang	331,432	358,530	387,205	417,639	450,021	484,546	521,413
53	807	Tien Giang	Tien Giang	100,094	107,515	115,482	124,036	133,222	143,087	153,680
54	811	Ben Tre	Ben Tre	145,315	160,023	175,943	193,169	211,801	231,947	253,724
55	809	Vinh Long	Vinh Long	75,303	80,900	86,904	93,349	100,267	107,695	115,670
56	817	Tra Vinh	Tra Vinh	41,607	44,689	47,998	51,552	55,369	59,468	63,870
57	815	Can Tho	Can Tho	151,929	163,219	175,332	188,334	202,292	217,279	233,371
58	819	Soc Trang	Soc Trang	102,345	112,854	124,260	136,635	150,055	164,602	180,365
59	813	Kien Giang	Kien Giang	239,102	257,517	277,141	298,096	320,505	344,498	370,207
60	821	Bac Lieu	Minh Hai	75,870	83,165	91,030	99,509	108,646	118,492	129,099
61	823	Ca Mau		67,088	72,062	77,402	83,136	89,293	95,904	103,005
Total/Average				1,537,087	1,662,951	1,797,761	1,942,301	2,097,397	2,263,918	2,442,783
GRAND TOTAL				9,205,557	10,012,579	10,888,278	11,838,856	12,742,754	13,691,521	14,719,430

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 3: Average Growth Rate = 10% till 2020

*: Designated City

			Main Lines								
Code	Province	Designated City (From 1996)	1998	1999	2000	2001	2002	2003	2004	2005	
NORTH EAST											
1	201	Ha Giang	Ha Giang	3,722	4,088	4,402	4,801	5,208	5,634	6,088	6,573
2	211	Tuyen Quang	Tuyen Quang	5,266	6,128	7,049	8,219	9,508	10,926	12,485	14,193
3	203	Cao Bang	Cao Bang	4,261	4,736	5,171	5,709	6,252	6,810	7,393	8,008
4	209	Lang Son	Lang Son	10,778	14,302	17,103	20,614	24,480	28,666	33,138	37,865
5	205	Lao Cai	Lao Cai	7,393	9,018	10,655	12,539	14,430	16,319	18,212	20,127
6	213	Yen Bai	Yen Bai	6,297	6,843	7,327	7,969	8,632	9,333	10,081	10,883
7	207	Bac Can	Bac Thai	1,825	2,324	2,896	3,608	4,397	5,245	6,138	7,065
8	215	Thai Nguyen	Thai Nguyen	13,685	16,682	19,709	23,193	26,692	30,186	33,688	37,229
9	225	Quang Ninh	Quang Ninh	30,028	33,674	37,034	41,767	46,826	52,331	58,383	65,075
10	217	Phu Tho	Vinh Phu	12,707	14,990	17,100	19,467	21,768	24,016	26,344	28,706
11	219	Vinh Phuc	Vinh Phuc	10,358	11,513	12,571	13,879	15,199	16,557	17,974	19,470
12	221	Bac Giang	Ha Bac	13,145	14,285	15,296	16,634	18,020	19,483	21,013	22,718
13	223	Bac Ninh	Bac Ninh	13,779	16,035	18,414	21,410	24,679	28,242	32,123	36,349
Total/Average			133,249	154,618	174,728	199,808	226,090	253,777	283,090	314,268	
NORTH WEST											
14	301	Lai Chau	Lai Chau	3,958	4,261	4,536	4,916	5,315	5,741	6,197	6,688
15	303	Son La	Son La	6,250	7,960	9,916	12,357	15,056	17,962	21,022	24,196
16	305	Hoa Binh	Hoa Binh	6,958	9,203	11,692	14,616	17,640	20,671	23,664	26,618
Total/Average			17,166	21,424	26,144	31,889	38,012	44,373	50,882	57,503	
RED RIVER DELTA											
17	101	HA NOI*	HA NOI*	302,851	336,916	368,701	414,603	464,053	518,139	577,795	643,891
18	103	HAI PHONG*	HAI PHONG*	45,872	57,789	70,474	86,551	103,745	121,950	141,212	161,691
19	105	Ha Tay	Ha Tay	29,289	35,003	40,996	48,605	56,940	66,066	76,054	86,980
20	107	Hai Duong	Hai Hung	22,543	27,010	31,896	38,600	46,279	55,076	65,076	76,492
21	109	Hung Yen	Hung Yen	8,980	10,061	11,043	12,431	13,918	15,540	17,327	19,306
22	115	Thai Binh	Thai Binh	14,909	16,473	17,832	19,631	21,492	23,466	25,586	27,878
23	111	Ha Nam	Nam Ha	5,991	6,553	7,039	7,710	8,416	9,174	9,991	10,881
24	113	Nam Dinh	Nam Dinh	19,595	23,223	26,614	30,574	34,501	38,457	42,516	46,751
25	117	Ninh Binh	Ninh Binh	7,019	8,864	10,808	13,123	15,509	17,933	20,389	22,892
Total/Average			457,049	521,893	585,405	672,832	764,854	865,781	975,948	1,096,769	
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	22,039	29,398	37,316	46,518	55,811	64,997	74,061	83,107
27	403	Nghe An	Nghe An	40,676	53,768	67,495	83,188	98,789	114,082	129,146	144,228
28	405	Ha Tinh	Ha Tinh	8,384	9,171	9,850	10,789	11,777	12,836	13,983	15,228
29	407	Quang Binh	Quang Binh	10,014	12,951	16,109	19,863	23,740	27,662	31,609	35,600
30	409	Quang Tri	Quang Tri	10,621	11,529	12,358	13,531	14,773	16,106	17,548	19,113
31	411	Thua Thien-Hue	Thua Thien-Hue	23,031	27,149	30,837	35,474	40,243	45,286	50,725	56,671
Total/Average			114,765	143,967	173,965	209,362	245,132	280,969	317,073	353,946	
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam-Da Nang	36,789	44,300	50,750	58,517	66,374	74,625	83,513	93,233
33	503	Quang Nam	Quang Nam	14,087	16,928	19,672	23,110	26,668	30,398	34,367	38,645
34	505	Quang Ngai	Quang Ngai	16,984	19,193	21,269	24,136	27,182	30,473	34,068	38,025
35	507	Binh Dinh	Binh Dinh	25,389	31,873	38,502	46,239	54,047	61,873	69,755	77,785
36	509	Phu Yen	Phu Yen	10,234	12,168	14,016	16,190	18,361	20,553	22,799	25,134
37	511	Khanh Hoa	Khanh Hoa	36,636	45,380	53,917	63,665	73,285	82,828	92,438	102,287
38	705	Ninh Thuan	Ninh Thuan	10,530	12,718	14,691	16,902	19,041	21,168	23,339	25,604
39	715	Binh Thuan	Binh Thuan	23,535	28,180	32,532	37,556	42,512	47,479	52,553	57,828
Total/Average			174,184	210,740	245,350	286,314	327,470	369,398	412,831	458,539	
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	14,313	16,410	18,294	20,467	22,600	24,746	26,948	29,245
41	601	Kon Tum	Kon Tum	4,890	5,528	6,069	6,700	7,322	7,957	8,619	9,320
42	605	Dac Lac	Dac Lac	24,049	30,219	36,615	43,948	51,325	58,651	65,923	73,197
43	703	Lam Dong	Lam Dong	28,790	31,995	34,771	38,372	42,075	45,982	50,162	54,673
Total/Average			72,042	84,152	95,749	109,486	123,323	137,335	151,652	166,435	
SOUTH EAST											
44	701	HO CHI MINH*	HO CHI MINH*	434,966	501,238	562,281	642,744	726,976	817,002	914,696	1,021,723
45	711	Binh Duong	Song Be	23,683	25,870	28,047	31,391	35,052	39,090	43,564	48,530
46	707	Binh Phuoc	Binh Phuoc	7,428	8,685	10,021	11,758	13,678	15,795	18,131	20,703
47	709	Tay Ninh	Tay Ninh	19,858	22,449	24,791	27,707	30,662	33,720	36,941	40,373
48	713	Dong Nai	Dong Nai	56,635	66,611	75,448	86,581	98,043	110,189	123,324	137,706
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	30,954	35,721	39,905	45,377	51,090	57,220	63,909	71,276
Total/Average			573,524	660,574	740,493	845,559	955,499	1,073,017	1,200,563	1,340,352	
MEKONG RIVER DELTA											
50	801	Long An	Long An	20,937	25,886	31,087	37,372	43,915	50,647	57,548	64,646
51	803	Dong Thap	Dong Thap	19,281	22,851	26,188	30,084	33,948	37,840	41,835	46,002
52	805	An Giang	An Giang	34,331	43,437	54,056	67,948	83,901	101,796	121,465	142,726
53	807	Tien Giang	Tien Giang	23,170	27,582	31,667	36,387	41,039	45,709	50,493	55,481
54	811	Ben Tre	Ben Tre	19,937	23,560	27,440	32,474	38,074	44,295	51,199	58,852
55	809	Vinh Long	Vinh Long	14,817	18,226	21,577	25,449	29,302	33,148	37,036	41,026
56	817	Tra Vinh	Tra Vinh	12,002	13,359	14,592	16,191	17,831	19,549	21,374	23,331
57	815	Can Tho	Can Tho	34,712	40,853	46,756	53,812	60,922	68,151	75,593	83,355
58	819	Soc Trang	Soc Trang	14,645	17,081	19,702	23,150	26,998	31,287	36,061	41,370
59	813	Kien Giang	Kien Giang	29,047	37,243	46,555	58,309	71,256	85,145	99,759	114,965
60	821	Bac Lieu	Hinh Hai	11,583	13,543	15,624	18,332	21,323	24,624	28,263	32,274
61	823	Ca Mau	Ca Mau	15,527	18,484	21,222	24,386	27,505	30,635	33,842	37,187
Total/Average			249,989	302,102	356,467	423,893	496,033	572,825	654,469	741,219	
GRAND TOTAL			1,791,968	2,099,470	2,398,300	2,728,143	3,176,393	3,597,476	4,046,508	4,529,041	

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 3: Average Growth Rate = 10% till 2020

*: Designated City

			Main Lines								
			2006	2007	2008	2009	2010	2011	2012	2013	
Code	Province	Designated City (From 1996) (Before 1995)									
NORTHEAST											
1	201	Ha Giang	Ha Giang	7,095	7,657	8,263	8,916	9,621	10,381	11,201	12,085
2	211	Tuyen Quang	Tuyen Quang	16,077	18,138	20,395	22,866	25,570	28,525	31,755	35,282
3	203	Cao Bang	Cao Bang	8,663	9,362	10,111	10,917	11,784	12,719	13,725	14,811
4	209	Lang Son	Lang Son	42,830	48,025	53,456	59,137	65,093	71,357	77,966	84,962
5	205	Lao Cai	Lao Cai	22,085	24,112	26,231	28,464	30,834	33,360	36,063	38,962
6	213	Yen Bai	Yen Bai	11,746	12,676	13,678	14,759	15,925	17,181	18,541	20,006
7	207	Bac Can	Bac Thai	8,019	8,998	10,003	11,041	12,119	13,245	14,429	15,680
8	215	Thai Nguyen		40,852	44,601	48,521	52,652	57,035	61,708	66,707	72,069
9	225	Quang Ninh	Quang Ninh	72,500	80,750	89,926	100,137	111,504	124,158	138,246	153,930
10	217	Phu Tho	Vinh Phu	31,171	33,770	36,532	39,484	42,648	46,048	49,707	53,647
11	219	Vinh Phuc		21,061	22,761	24,584	26,544	28,652	30,924	33,372	36,011
12	221	Bac Giang	Ha Bac	24,519	26,460	28,553	30,810	33,244	35,871	38,704	41,762
13	223	Bac Ninh		40,948	45,949	51,386	57,294	63,710	70,676	78,237	86,439
Total/Average				347,566	383,259	421,639	463,021	507,740	556,153	608,652	665,675
NORTHWEST											
14	301	Lai Chau	Lai Chau	7,217	7,788	8,403	9,067	9,784	10,557	11,390	12,290
15	303	Son La	Son La	27,462	30,813	34,257	37,811	41,502	45,358	49,412	53,697
16	305	Hoa Binh	Hoa Binh	29,561	32,531	35,575	38,734	42,049	45,557	49,291	53,281
Total/Average				64,240	71,132	78,235	85,612	93,335	101,472	110,093	119,269
RED RIVER DELTA											
17	101	HA NOI*	HA NOI*	717,304	798,934	889,762	990,856	1,103,396	1,228,685	1,368,173	1,523,469
18	103	HAI PHONG*	HAI PHONG*	183,627	207,314	233,078	261,273	292,276	326,487	364,338	406,296
19	105	Ha Tay	Ha Tay	98,930	111,993	126,270	141,868	158,906	177,512	197,825	219,998
20	107	Hai Duong	Hai Hung	89,483	104,247	121,006	140,007	161,527	185,878	213,408	244,505
21	109	Hung Yen		21,504	23,949	26,668	29,696	33,065	36,818	40,996	45,647
22	115	Thai Binh	Thai Binh	30,365	33,069	36,010	39,210	42,695	46,488	50,619	55,115
23	111	Ha Nam	Nam Ha	11,852	12,906	14,053	15,302	16,661	18,142	19,753	21,508
24	113	Nam Dinh		51,228	56,006	61,141	66,683	72,684	79,195	86,267	93,956
25	117	Ninh Binh	Ninh Binh	25,468	28,149	30,969	33,962	37,161	40,599	44,308	48,320
Total/Average				1,229,762	1,376,567	1,538,937	1,718,858	1,918,372	2,139,804	2,385,686	2,658,815
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	92,293	101,787	111,749	122,324	133,645	145,835	159,012	173,291
27	403	Nghe An	Nghe An	159,622	175,622	192,494	210,476	229,783	250,616	273,167	297,631
28	405	Ha Tinh	Ha Tinh	16,583	18,056	19,661	21,408	23,310	25,381	27,636	30,091
29	407	Quang Binh	Quang Binh	39,678	43,899	48,322	53,005	58,002	63,367	69,153	75,410
30	409	Quang Tri	Quang Tri	20,814	22,665	24,680	26,874	29,262	31,862	34,692	37,774
31	411	Thua Thien-Hue	Thua Thien-Hue	63,219	70,467	78,508	87,444	97,384	108,443	120,753	134,456
Total/Average				392,208	432,496	475,415	521,531	571,386	625,504	684,413	748,653
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam-Da Nang	103,953	115,831	129,021	143,688	160,006	178,168	198,387	220,895
33	503	Quang Nam		43,302	48,412	54,014	60,276	67,186	74,859	83,387	92,872
34	505	Quang Ngai	Quang Ngai	42,401	47,252	52,640	58,630	65,294	72,709	80,963	90,151
35	507	Binh Dinh	Binh Dinh	86,076	94,751	103,927	113,716	124,224	135,555	147,811	161,097
36	509	Phu Yen	Phu Yen	27,593	30,208	33,010	36,028	39,290	42,824	46,659	50,827
37	511	Khánh Hoa	Khánh Hoa	112,546	123,377	134,925	147,325	160,702	175,180	190,883	207,938
38	705	Ninh Thuan	Ninh Thuan	28,003	30,573	33,342	36,338	39,589	43,120	46,960	51,137
39	715	Binh Thuan	Binh Thuan	63,390	69,318	75,682	82,549	89,981	98,042	106,799	116,318
Total/Average				507,266	559,722	616,593	678,549	746,271	820,457	901,849	991,234
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	31,670	34,250	37,008	39,967	43,149	46,574	50,264	54,241
41	601	Kon Tum	Kon Tum	10,068	10,871	11,734	12,664	13,666	14,746	15,912	17,169
42	605	Dac Lac	Dac Lac	80,564	88,124	95,981	104,226	112,949	122,232	132,151	142,783
43	703	Lam Dong	Lam Dong	59,562	64,872	70,646	76,929	83,768	91,212	99,317	108,140
Total/Average				181,864	198,117	215,369	233,786	253,531	274,764	297,643	322,333
SOUTH EAST											
44	701	HO CHI MINH*	HO CHI MINH*	1,139,875	1,270,636	1,415,144	1,576,999	1,756,342	1,955,892	2,177,987	2,425,210
45	711	Binh Duong	Song Be	54,052	60,194	67,030	74,640	83,111	92,542	103,043	114,733
46	707	Binh Phuoc		23,535	26,651	30,076	33,840	37,973	42,509	47,486	52,944
47	709	Tay Ninh	Tay Ninh	44,061	48,042	52,355	57,036	62,123	67,654	73,673	80,223
48	713	Dong Nai	Dong Nai	153,572	171,147	190,660	212,352	236,482	263,336	293,228	326,506
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	79,431	88,485	98,549	109,746	122,208	136,080	151,524	168,718
Total/Average				1,494,527	1,665,156	1,854,415	2,064,613	2,298,238	2,558,015	2,848,941	3,168,334
MEKONG RIVER DELTA											
50	801	Long An	Long An	71,999	79,680	87,773	96,366	105,546	115,403	126,026	137,508
51	803	Dong Thap	Dong Thap	50,497	55,108	60,161	65,614	71,519	77,925	84,884	92,450
52	805	An Giang	An Giang	165,430	189,480	214,850	241,587	269,800	299,654	331,354	365,139
53	807	Tien Giang	Tien Giang	60,762	66,800	72,644	79,015	86,112	93,814	102,184	111,285
54	811	Ben Tre	Ben Tre	67,327	76,703	87,066	98,512	111,142	125,071	140,422	157,328
55	809	Vinh Long	Vinh Long	45,184	49,569	54,241	59,252	64,654	70,495	76,827	83,702
56	817	Tra Vinh	Tra Vinh	25,442	27,727	30,207	32,901	35,831	39,019	42,488	46,264
57	815	Can Tho	Can Tho	91,541	100,253	109,587	119,637	130,496	142,258	155,019	168,879
58	819	Soc Trang	Soc Trang	47,266	53,808	61,060	69,093	77,983	87,813	98,676	110,673
59	813	Kien Giang	Kien Giang	130,717	147,050	164,060	181,888	200,697	220,669	241,993	264,865
60	821	Bac Lieu	Minh Hai	36,689	41,545	46,885	52,753	59,196	66,268	74,026	82,533
61	823	Ca Mau		40,726	44,505	48,570	52,960	57,717	62,880	68,489	74,590
Total/Average				833,488	931,828	1,036,924	1,149,577	1,270,692	1,401,268	1,542,388	1,695,215
GRAND TOTAL				5,050,921	5,618,277	6,237,545	6,915,548	7,659,564	8,477,439	9,377,666	10,369,499

Appendix I-7-6A Main POTS Market Forecast

(2) Main Lines Scenario 3: Average Growth Rate = 10% (till 2020)

*: Designated City

			Main Lines						
Code	Province	Designated City (From 1996)	2014	2015	2016	2017	2018	2019	2020
NORTHEAST									
1	201	Ha Giang	13,040	14,070	15,181	16,379	17,673	19,068	20,573
2	211	Tuyen Quang	39,131	43,330	47,908	52,897	58,333	64,251	70,694
3	203	Cao Bang	15,982	17,245	18,607	20,077	21,662	23,373	25,218
4	209	Lang Son	92,391	100,301	108,745	117,777	127,453	137,836	148,988
5	205	Lao Cai	42,077	45,427	49,036	52,923	57,113	61,631	66,503
6	213	Yen Bai	21,586	23,290	25,130	27,114	29,255	31,565	34,057
7	207	Bac Can	17,008	18,424	19,937	21,558	23,298	25,167	27,178
8	215	Thai Nguyen	77,831	81,029	90,703	97,894	105,645	114,002	123,014
9	225	Quang Ninh	171,392	190,834	212,480	236,581	263,413	293,288	326,550
10	217	Phu Tho	57,894	62,473	67,412	72,738	78,484	84,682	91,369
11	219	Vinh Phuc	38,858	41,929	45,241	48,814	52,669	56,828	61,315
12	221	Bac Giang	45,060	48,618	52,458	56,600	61,060	65,891	71,093
13	223	Bac Ninh	95,335	104,981	115,437	126,767	139,042	152,338	166,735
Total/Average			727,585	794,952	868,273	948,119	1,035,169	1,129,919	1,233,787
NORTH WEST									
14	301	Lai Chau	13,261	14,308	15,438	16,657	17,972	19,391	20,922
15	303	Son La	58,246	63,094	68,276	73,827	79,784	86,186	93,072
16	305	Hoa Binh	57,560	62,157	67,102	72,423	78,165	84,354	91,020
Total/Average			129,067	139,559	150,816	162,912	175,922	189,928	205,014
RED RIVER DELTA									
17	101	HA NOI*	1,696,367	1,888,858	1,911,544	1,932,591	1,951,937	1,969,525	1,987,272
18	103	HAI PHONG*	452,866	504,606	562,127	626,104	697,283	776,493	864,653
19	105	Ha Tay	244,197	270,602	299,409	330,833	365,105	402,451	443,234
20	107	Hai Duong	279,606	319,196	363,820	414,086	470,675	534,345	605,946
21	109	Hung Yen	50,825	56,591	63,010	70,157	78,115	86,975	96,839
22	115	Thai Binh	60,011	65,342	71,145	77,463	84,343	91,832	99,987
23	111	Ha Nam	23,418	25,498	27,763	30,229	32,913	35,836	39,018
24	113	Nam Dinh	102,320	111,420	121,324	132,105	143,841	156,617	170,527
25	117	Ninh Binh	52,669	57,389	62,517	68,093	74,157	80,756	87,936
Total/Average			2,962,280	3,299,532	3,482,660	3,681,662	3,898,370	4,134,861	4,395,412
NORTH CENTRAL									
26	401	Thanh Hoa	188,790	205,633	223,948	243,873	265,555	289,155	314,843
27	403	Nghe An	324,203	353,092	384,516	418,709	455,923	496,430	540,526
28	405	Ha Tinh	32,764	35,674	38,842	42,292	46,047	50,137	54,589
29	407	Quang Binh	82,193	89,555	97,553	106,250	115,710	126,003	137,205
30	409	Quang Tri	41,130	44,783	48,760	53,091	57,805	62,939	68,528
31	411	Thua Thien-Hue	149,711	166,695	185,604	206,656	230,095	256,191	285,245
Total/Average			818,791	895,431	979,224	1,070,871	1,171,137	1,280,855	1,400,935
SOUTH CENTRAL COAST									
32	501	DA NANG*	245,955	273,855	304,918	339,503	378,009	420,880	468,611
33	503	Quang Nam	103,425	115,170	128,242	142,794	158,991	177,029	197,108
34	505	Quang Ngai	100,380	111,767	124,445	138,561	154,277	171,774	191,254
35	507	Binh Dinh	175,519	191,190	208,230	226,766	246,935	268,886	292,778
36	509	Phu Yen	55,357	60,285	65,648	71,481	77,836	84,731	92,279
37	511	Khanh Hoa	226,476	246,640	268,579	292,455	318,443	346,732	377,529
38	705	Ninh Thuan	55,683	60,631	66,018	71,882	78,266	85,216	92,784
39	715	Binh Thuan	126,672	137,938	150,200	163,546	178,075	193,892	211,111
Total/Average			1,089,468	1,197,477	1,316,279	1,446,990	1,590,634	1,749,160	1,923,455
CENTRAL HIGHLANDS									
40	603	Gia Lai	58,530	63,155	68,145	73,527	79,334	85,598	92,356
41	601	Ken Tum	18,525	19,988	21,566	23,270	25,107	27,089	29,228
42	605	Dac Lac	154,201	166,483	179,706	193,952	209,307	225,862	243,716
43	703	Lam Dong	117,747	128,206	139,594	151,992	165,491	180,188	196,189
Total/Average			349,003	377,832	409,011	442,749	479,238	518,738	561,490
SOUTH EAST									
44	701	HO CHI MINH*	2,700,429	3,006,829	3,347,950	3,727,731	4,146,898	4,611,554	5,121,647
45	711	Binh Duong	127,750	142,241	158,377	176,341	19,511	21,724	24,188
46	707	Binh Phuoc	58,925	65,479	72,658	80,517	89,120	98,533	108,830
47	709	Tay Ninh	87,353	95,114	103,563	112,762	122,776	133,679	145,550
48	713	Dong Nai	363,554	404,801	450,722	501,849	558,771	622,145	692,702
49	717	Ba Ria-Vung Tau	187,860	209,173	232,902	259,320	288,734	321,481	357,939
Total/Average			3,525,871	3,923,637	4,366,171	4,858,521	5,395,811	5,998,176	6,660,805
MEKONG RIVER DELTA									
50	801	Long An	149,943	163,431	178,077	193,993	211,298	230,120	250,600
51	803	Dong Thap	100,679	109,634	119,379	129,987	141,535	154,107	167,793
52	805	An Giang	401,275	440,053	481,784	526,798	575,451	628,119	685,206
53	807	Tien Giang	121,187	131,962	143,690	156,456	170,354	185,484	201,956
54	811	Ben Tre	175,937	196,409	218,919	243,658	270,834	300,675	333,427
55	809	Vinh Long	91,172	99,295	108,132	117,747	128,213	139,605	152,006
56	817	Tra Vinh	50,375	54,850	59,722	65,026	70,801	77,089	83,934
57	815	Can Tho	183,946	200,332	218,159	237,560	258,675	281,660	306,680
58	819	Soc Trang	123,913	138,515	154,612	172,348	191,878	213,374	237,024
59	813	Kien Giang	289,488	316,072	344,836	375,010	409,836	448,544	486,501
60	821	Bac Lieu	91,858	102,075	113,266	125,518	138,928	153,602	169,654
61	823	Ca Mau	81,226	88,448	96,302	104,855	114,180	124,321	135,362
Total/Average			1,860,999	2,041,076	2,236,884	2,449,967	2,681,985	2,934,731	3,210,143
GRAND TOTAL			11,463,063	12,669,466	13,809,319	15,061,781	15,876,406	16,936,307	18,093,592

Appendix I-7-6A Main POTS Market Forecast

(3) Affordability Parity

* Designated City			Affordability Parity (Backward Estimate)					AP (Forward)			
			1	2	3	4	5	6	7	8	
			1993	1994	1995	1996	1997	1998	1999	2000	
Code	Province	Designated City (From 1976) (Before 1995)									
NORTH EAST											
1	201	Ha Giang	Ha Giang	0.57	0.85	1.40	1.54	1.87	2.01	2.09	2.14
2	211	Tuyen Quang	Tuyen Quang	0.63	0.74	0.81	0.90	1.31	1.33	1.46	1.60
3	203	Cao Bang	Cao Bang	0.62	0.79	1.09	1.09	1.31	1.40	1.48	1.53
4	209	Lang Son	Lang Son	0.81	0.85	1.21	1.32	1.71	1.83	2.30	2.61
5	205	Lao Cai	Lao Cai	0.66	1.05	1.30	1.45	2.05	2.37	2.75	3.08
6	213	Yen Bai	Yen Bai	0.61	0.68	1.19	1.27	1.48	1.55	1.60	1.63
7	207	Bac Can	Bac Thai	0.65	0.82	1.14	1.54	1.51	1.83	2.21	2.61
8	245	Thai Nguyen						2.03	2.35	2.72	3.05
9	225	Quang Ninh	Quang Ninh	0.92	1.20	1.76	2.19	2.45	2.65	2.77	2.83
10	217	Phu Tho	Vinh Pha	0.32	0.43	0.70	0.98	1.40	1.64	1.83	1.98
11	219	Vinh Phuc						1.26	1.35	1.42	1.47
12	221	Bac Giang	Ha Bac	0.46	0.56	0.85	1.15	1.48	1.55	1.60	1.63
13	223	Bac Ninh						1.77	1.88	2.08	2.27
<i>Total Average</i>				0.59	0.74	1.08	1.33	1.72			
NORTH WEST											
14	301	Lai Chau	Lai Chau	0.46	0.60	0.91	1.08	1.19	1.24	1.27	1.28
15	303	Son La	Son La	0.56	0.71	1.02	1.13	1.54	1.81	2.25	2.66
16	305	Hoa Binh	Hoa Binh	0.46	0.55	0.89	1.23	1.64	2.13	2.67	3.22
<i>Total Average</i>				0.49	0.61	0.95	1.15	1.48			
RED RIVER DELTA											
17	101	HANOI*	HANOI*	1.76	2.67	3.48	4.27	4.77	5.09	5.27	5.37
18	103	HAI PHONG*	HAI PHONG*	0.59	0.80	1.08	1.37	1.74	2.11	2.47	2.81
19	105	Ha Tay	Ha Tay	0.52	0.73	0.93	1.24	1.83	1.94	2.19	2.42
20	107	Hai Duong	Hai Hung	0.44	0.62	0.78	0.89	1.35	1.41	1.58	1.74
21	109	Hung Yen						0.93	1.00	1.04	1.07
22	115	Thai Binh	Thai Binh	0.26	0.51	0.63	0.79	0.95	1.02	1.06	1.09
23	111	Ha Nam	Nam Ha	0.34	0.55	0.70	0.93	1.00	1.07	1.11	1.12
24	113	Nam Dinh						1.36	1.59	1.78	1.92
25	117	Ninh Binh	Ninh Binh	0.39	0.56	0.71	0.99	1.24	1.54	1.83	2.11
<i>Total Average</i>				0.87	1.37	1.74	2.22	2.68			
NORTH CENTRAL											
26	401	Thanh Hoa	Thanh Hoa	0.18	0.27	0.40	0.57	0.79	1.04	1.31	1.58
27	403	Nghé An	Nghé An	0.44	0.62	1.04	1.34	1.95	2.54	3.17	3.75
28	405	Ha Tinh	Ha Tinh	0.20	0.45	0.63	0.85	1.01	1.08	1.12	1.13
29	407	Quang Binh	Quang Binh	0.58	0.71	1.12	1.47	1.95	2.46	3.00	3.53
30	409	Quang Tri	Quang Tri	1.02	1.41	2.02	2.47	2.68	2.82	2.89	2.93
31	411	Thua Thien-Hue	Thua Thien-Hue	0.74	0.97	1.63	2.15	2.71	3.13	3.44	3.63
<i>Total Average</i>				0.39	0.56	0.89	1.18	1.56			
SOUTH CENTRAL COAST											
32	501	DA NANG*	Quang Nam- Da Nang	1.21	1.39	1.63	2.00	3.53	4.30	4.82	5.14
33	503	Quang Nam						1.34	1.58	1.76	1.91
34	505	Quang Ngai	Quang Ngai	0.89	1.33	1.60	1.89	2.19	2.36	2.48	2.56
35	507	Binh Dinh	Binh Dinh	0.74	0.96	1.38	1.80	2.42	2.92	3.47	3.95
36	509	Phu Yen	Phu Yen	0.78	0.76	1.29	1.52	1.97	2.23	2.50	2.72
37	511	Khanh Hoa	Khanh Hoa	0.78	1.07	1.50	2.06	2.71	3.27	3.83	4.29
38	705	Ninh Thuan	Ninh Thuan	0.60	1.00	1.27	2.08	2.45	3.01	3.44	3.75
39	715	Binh Thuan	Binh Thuan	0.93	1.51	1.93	2.39	3.18	3.70	4.18	4.55
<i>Total Average</i>				0.90	1.17	1.54	1.97	2.51			
CENTRAL HIGHLANDS											
40	603	Gia Lai	Gia Lai	0.83	1.13	1.43	1.55	2.23	2.54	2.76	2.92
41	604	Kon Tum	Kon Tum	0.81	1.17	1.81	2.24	2.73	3.06	3.28	3.41
42	605	Dac Lac	Dac Lac	0.52	0.79	0.98	1.33	1.74	2.13	2.54	2.92
43	703	Lam Dong	Lam Dong	1.43	2.16	3.05	3.71	4.64	4.95	5.19	5.33
<i>Total Average</i>				0.87	1.28	1.62	2.05	2.58			
SOUTHEAST											
44	701	HO CHI MINH*	HO CHI MINH*	0.99	1.17	1.65	2.30	2.45	2.81	3.02	3.15
45	711	Binh Duong	Song Be	0.65	1.07	1.54	1.61	1.85	2.20	2.24	2.26
46	707	Binh Phuoc						1.72	1.85	2.04	2.22
47	709	Tay Ninh	Tay Ninh	0.79	1.14	1.44	1.74	2.04	2.24	2.39	2.50
48	713	Dong Nai	Dong Nai	0.37	0.70	0.94	1.25	1.65	1.89	2.07	2.18
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	0.14	0.20	0.36	0.44	0.56	0.63	0.68	0.71
<i>Total Average</i>				0.66	0.91	1.32	1.78	2.96			
MEKONG RIVER DELTA											
50	801	Long An	Long An	0.57	0.88	1.03	1.25	1.69	1.98	2.31	2.62
51	803	Dong Thap	Dong Thap	0.47	0.66	0.88	1.16	1.40	1.64	1.83	1.98
52	805	An Giang	An Giang	0.56	0.77	0.86	1.10	1.42	1.68	2.01	2.36
53	807	Tien Giang	Tien Giang	0.37	0.58	0.73	0.98	1.23	1.44	1.62	1.75
54	811	Ben Tre	Ben Tre	0.54	0.75	0.70	1.01	1.33	1.40	1.56	1.72
55	809	Vinh Long	Vinh Long	0.37	0.61	0.76	0.95	1.31	1.55	1.80	2.02
56	817	Tra Vinh	Tra Vinh	0.47	0.69	0.90	0.94	1.14	1.22	1.28	1.32
57	815	Can Tho	Can Tho	0.57	0.82	1.03	1.21	1.52	1.73	1.92	2.07
58	819	Soc Trang	Soc Trang	0.59	0.75	0.83	0.95	1.21	1.29	1.42	1.54
59	813	Kien Giang	Kien Giang	0.55	0.82	0.99	1.19	1.68	2.01	2.43	2.87
60	821	Bac Lieu	Vinh Hai	0.52	0.81	0.86	1.14	1.62	1.72	1.90	2.07
61	823	Ca Mau						1.22	1.42	1.60	1.73
<i>Total Average</i>				0.51	0.75	0.88	1.10	1.40			
GRAND TOTAL AVERAGE				0.66	0.94	1.28	1.65	1.99	2.12	2.33	2.49

Appendix I-7-6A Main POTS Market Forecast

(3) Affordability Parity

*: Designated City

Code	Province/Designated City (From 1976)	Designated City (Before 1976)	AP (Forward)										
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
NORTHEAST													
1	201	Ha Giang	Ha Giang	2.15	2.17	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18
2	211	Tuyen Quang	Tuyen Quang	1.72	1.85	1.97	2.08	2.20	2.31	2.41	2.51	2.61	2.71
3	203	Cao Bang	Cao Bang	1.57	1.59	1.61	1.62	1.62	1.63	1.63	1.63	1.63	1.63
4	209	Lang Son	Lang Son	2.91	3.21	3.48	3.73	3.95	4.14	4.30	4.44	4.55	4.64
5	205	Lao Cai	Lao Cai	3.35	3.58	3.75	3.85	3.97	4.04	4.09	4.12	4.14	4.16
6	213	Yen Bai	Yen Bai	1.64	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
7	207	Bac Can	Bac Thai	3.02	3.40	3.75	4.08	4.36	4.58	4.76	4.91	5.02	5.11
8	215	Thai Nguyen	Thai Nguyen	3.32	3.54	3.71	3.84	3.93	4.00	4.05	4.08	4.10	4.12
9	225	Quang Ninh	Quang Ninh	2.87	2.89	2.90	2.91	2.91	2.91	2.91	2.91	2.91	2.91
10	217	Phu Tho	Vinh Phu	2.09	2.17	2.22	2.25	2.28	2.29	2.30	2.30	2.31	2.31
11	219	Vinh Phuc	Vinh Phuc	1.51	1.53	1.54	1.55	1.56	1.56	1.57	1.57	1.57	1.57
12	221	Bac Giang	Ha Bac	1.64	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
13	223	Bac Ninh	Bac Ninh	2.44	2.61	2.77	2.91	3.06	3.19	3.32	3.44	3.55	3.66
<i>Total/Average</i>													
NORTH WEST													
14	301	Lai Chau	Lai Chau	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
15	303	Son La	Son La	3.08	3.47	3.84	4.15	4.44	4.67	4.86	5.01	5.12	5.21
16	305	Hoa Binh	Hoa Binh	3.71	4.17	4.53	4.80	5.01	5.15	5.26	5.33	5.38	5.41
<i>Total/Average</i>													
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	5.42	5.45	5.46	5.47	5.47	5.47	5.48	5.48	5.48	5.48
18	103	HAI PHONG*	HAI PHONG*	3.09	3.33	3.52	3.66	3.76	3.84	3.89	3.92	3.95	3.97
19	105	Ha Tay	Ha Tay	2.63	2.83	3.02	3.19	3.35	3.50	3.64	3.77	3.89	4.00
20	107	Hai Duong	Hai Hung	1.89	2.03	2.17	2.30	2.43	2.56	2.67	2.79	2.90	3.00
21	109	Hung Yen	Hung Yen	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
22	115	Thai Binh	Thai Binh	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
23	111	Ha Nam	Nam Ha	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
24	113	Nam Dinh	Nam Dinh	2.03	2.10	2.15	2.19	2.21	2.22	2.23	2.24	2.24	2.24
25	117	Ninh Binh	Ninh Binh	2.35	2.55	2.71	2.83	2.92	2.98	3.03	3.06	3.08	3.09
<i>Total/Average</i>													
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	1.80	1.99	2.13	2.22	2.29	2.34	2.37	2.39	2.40	2.41
27	403	Nghé An	Nghé An	4.25	4.63	4.91	5.11	5.24	5.32	5.38	5.41	5.41	5.45
28	405	Ha Tinh	Ha Tinh	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
29	407	Quang Binh	Quang Binh	3.99	4.38	4.69	4.92	5.09	5.23	5.30	5.35	5.39	5.42
30	409	Quang Tri	Quang Tri	2.94	2.95	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
31	411	Thua Thien-Hue	Thua Thien-Hue	3.75	3.82	3.87	3.89	3.90	3.91	3.91	3.91	3.92	3.92
<i>Total/Average</i>													
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam-Da Nang	5.32	5.42	5.47	5.50	5.52	5.52	5.53	5.53	5.53	5.53
33	503	Quang Nam	Quang Nam	2.01	2.08	2.13	2.17	2.19	2.20	2.21	2.22	2.22	2.22
34	505	Quang Ngai	Quang Ngai	2.61	2.64	2.66	2.67	2.68	2.68	2.68	2.68	2.68	2.68
35	507	Binh Dinh	Binh Dinh	4.36	4.68	4.92	5.09	5.21	5.30	5.35	5.40	5.42	5.44
36	509	Phu Yen	Phu Yen	2.88	3.00	3.09	3.14	3.18	3.21	3.23	3.24	3.25	3.25
37	511	Khanh Hoa	Khanh Hoa	4.65	4.92	5.11	5.23	5.32	5.37	5.41	5.43	5.45	5.45
38	705	Ninh Thuan	Ninh Thuan	3.96	4.10	4.18	4.24	4.27	4.29	4.30	4.30	4.31	4.31
39	715	Binh Thuan	Binh Thuan	4.83	5.02	5.15	5.23	5.29	5.32	5.35	5.35	5.37	5.38
<i>Total/Average</i>													
CENTRAL HIGHLANDS													
40	601	Gia Lai	Gia Lai	3.02	3.09	3.14	3.17	3.18	3.20	3.20	3.21	3.21	3.21
41	601	Kon Tum	Kon Tum	3.49	3.54	3.56	3.58	3.58	3.59	3.59	3.59	3.59	3.59
42	605	Dac Lac	Dac Lac	3.25	3.52	3.72	3.88	3.99	4.07	4.13	4.16	4.19	4.21
43	703	Lam Dong	Lam Dong	5.40	5.44	5.46	5.47	5.47	5.47	5.48	5.48	5.48	5.48
<i>Total/Average</i>													
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	3.23	3.28	3.31	3.33	3.34	3.35	3.35	3.35	3.35	3.35
45	711	Binh Duong	Song Be	2.27	2.28	2.28	2.28	2.29	2.29	2.29	2.29	2.29	2.29
46	707	Binh Phuoc	Binh Phuoc	2.39	2.55	2.71	2.85	3.00	3.13	3.25	3.37	3.48	3.59
47	709	Tay Ninh	Tay Ninh	2.56	2.60	2.63	2.65	2.66	2.66	2.67	2.67	2.67	2.67
48	713	Dong Nai	Dong Nai	2.25	2.29	2.31	2.32	2.32	2.33	2.33	2.33	2.33	2.33
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	0.72	0.73	0.73	0.73	0.74	0.74	0.74	0.74	0.74	0.74
<i>Total/Average</i>													
MEKONG RIVER DELTA													
50	801	Long An	Long An	2.89	3.12	3.31	3.45	3.56	3.64	3.70	3.75	3.78	3.80
51	803	Dong Thap	Dong Thap	2.09	2.17	2.22	2.25	2.28	2.29	2.30	2.30	2.31	2.31
52	805	An Giang	An Giang	2.72	3.08	3.44	3.77	4.06	4.33	4.55	4.74	4.89	5.02
53	807	Tien Giang	Tien Giang	1.85	1.92	1.96	1.99	2.01	2.02	2.02	2.03	2.03	2.03
54	811	Ben Tre	Ben Tre	1.87	2.01	2.15	2.28	2.41	2.53	2.65	2.76	2.87	2.97
55	809	Vinh Long	Vinh Long	2.18	2.31	2.40	2.45	2.50	2.53	2.55	2.56	2.57	2.58
56	817	Tra Vinh	Tra Vinh	1.35	1.36	1.37	1.38	1.38	1.38	1.38	1.38	1.38	1.38
57	815	Can Tho	Can Tho	2.19	2.28	2.34	2.38	2.41	2.43	2.45	2.45	2.45	2.47
58	819	Soc Trang	Soc Trang	1.66	1.78	1.90	2.01	2.11	2.22	2.32	2.42	2.51	2.60
59	813	Kien Giang	Kien Giang	3.30	3.71	4.07	4.38	4.63	4.84	5.00	5.12	5.21	5.28
60	821	Bac Lieu	Minh Hai	2.23	2.39	2.53	2.67	2.80	2.92	3.04	3.15	3.25	3.35
61	823	Ca Mau	Ca Mau	1.83	1.90	1.94	1.97	1.99	2.00	2.00	2.01	2.01	2.01
<i>Total/Average</i>													
GRAND TOTAL/AVERAGE				2.59	2.67	2.71	2.75	2.77	2.78	2.79	2.79	2.80	2.80

Appendix I-7-6A Main POTS Market Forecast

(3) Affordability Parity

*: Designated City

Code	Province	Designated City (From 1996)	City (Before 1995)	AP (Forward)									
				19 2011	20 2012	21 2013	22 2014	23 2015	24 2016	25 2017	26 2018	27 2019	28 2020
NORTHEAST													
1	201	Ha Giang	Ha Giang	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	
2	211	Tuyen Quang	Tuyen Quang	2.80	2.89	2.97	3.05	3.13	3.21	3.29	3.36	3.43	
3	203	Cao Bang	Cao Bang	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	
4	209	Lang Son	Lang Son	4.72	4.77	4.82	4.86	4.89	4.91	4.93	4.95	4.96	
5	205	Lao Cai	Lao Cai	4.17	4.18	4.18	4.19	4.19	4.19	4.19	4.19	4.20	
6	213	Yen Bai	Yen Bai	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	
7	207	Bac Can	Bac Thai	5.17	5.22	5.26	5.29	5.31	5.32	5.34	5.34	5.35	
8	215	Thai Nguyen		4.13	4.14	4.14	4.15	4.15	4.15	4.15	4.15	4.15	
9	225	Quang Ninh	Quang Ninh	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	
10	217	Phu Tho	Vinh Phou	2.31	2.31	2.31	2.31	2.31	2.31	2.32	2.32	2.32	
11	219	Vinh Phuc		1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	
12	221	Bac Giang	Ha Bac	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	
13	223	Bac Ninh		3.77	3.86	3.96	4.04	4.13	4.21	4.28	4.35	4.42	
<i>Total/Average</i>													
NORTH WEST													
14	301	Lai Chau	Lai Chau	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	
15	303	Son La	Son La	5.28	5.33	5.37	5.39	5.42	5.43	5.44	5.45	5.45	
16	305	Hoa Binh	Hoa Binh	5.43	5.45	5.46	5.46	5.47	5.47	5.47	5.47	5.48	
<i>Total/Average</i>													
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	
18	103	HAI PHONG*	HAI PHONG*	3.98	3.99	4.00	4.00	4.01	4.01	4.01	4.01	4.01	
19	105	Ha Tay	Ha Tay	4.10	4.20	4.29	4.37	4.45	4.52	4.59	4.65	4.71	
20	107	Hai Duong	Hai Hung	3.10	3.20	3.29	3.38	3.47	3.55	3.63	3.70	3.77	
21	109	Hung Yen		1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	
22	115	Thai Binh	Thai Binh	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	
23	111	Ha Nam	Nam Ha	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	
24	113	Nam Dinh		2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	
25	117	Ninh Binh	Ninh Binh	3.11	3.11	3.12	3.12	3.12	3.12	3.13	3.13	3.13	
<i>Total/Average</i>													
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	2.41	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	
27	403	Nghé An	Nghé An	5.46	5.47	5.47	5.47	5.47	5.47	5.48	5.48	5.48	
28	405	Ha Tinh	Ha Tinh	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	
29	407	Quang Binh	Quang Binh	5.44	5.45	5.46	5.47	5.47	5.47	5.47	5.47	5.48	
30	409	Quang Tri	Quang Tri	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	
31	411	Thua Thien-Hue	Thua Thien-Hue	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
<i>Total/Average</i>													
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	
33	503	Quang Nam		2.22	2.22	2.23	2.23	2.23	2.23	2.23	2.23	2.23	
34	505	Quang Ngai	Quang Ngai	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	
35	507	Binh Dinh	Binh Dinh	5.45	5.46	5.47	5.47	5.47	5.47	5.48	5.48	5.48	
36	509	Phu Yen	Phu Yen	3.25	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	
37	511	Khanh Hoa	Khanh Hoa	5.47	5.47	5.47	5.47	5.47	5.48	5.48	5.48	5.48	
38	705	Ninh Thuan	Ninh Thuan	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	
39	715	Binh Thuan	Binh Thuan	5.38	5.38	5.38	5.38	5.39	5.39	5.39	5.39	5.39	
<i>Total/Average</i>													
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	
41	604	Kon Tum	Kon Tum	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	
42	605	Dac Lac	Dac Lac	4.22	4.23	4.24	4.24	4.24	4.24	4.24	4.25	4.25	
43	703	Lam Dong	Lam Dong	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	5.48	
<i>Total/Average</i>													
SOUTHEAST													
44	701	HO CHI MINH*	HO CHI MINH*	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	
45	711	Binh Duong	Song Be	2.29	2.29	2.29	2.29	2.29	2.29	0.23	0.23	0.23	
46	707	Binh Phuoc		3.69	3.79	3.88	3.96	4.04	4.12	4.19	4.26	4.33	
47	709	Tay Ninh	Tay Ninh	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	
48	713	Dong Nai	Dong Nai	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	
<i>Total/Average</i>													
SIKONG RIVER DELTA													
50	801	Long An	Long An	3.81	3.83	3.83	3.84	3.84	3.85	3.85	3.85	3.85	
51	803	Dong Thap	Dong Thap	2.31	2.31	2.31	2.31	2.31	2.31	2.32	2.32	2.32	
52	805	An Giang	An Giang	5.12	5.20	5.26	5.31	5.35	5.38	5.40	5.42	5.43	
53	807	Tien Giang	Tien Giang	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	
54	811	Ben Tre	Ben Tre	3.07	3.17	3.26	3.35	3.43	3.51	3.59	3.66	3.74	
55	809	Vinh Long	Vinh Long	2.58	2.58	2.59	2.59	2.59	2.59	2.59	2.59	2.59	
56	817	Tra Vinh	Tra Vinh	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
57	815	Can Tho	Can Tho	2.47	2.47	2.47	2.48	2.48	2.48	2.48	2.48	2.48	
58	819	Soc Trang	Soc Trang	2.69	2.78	2.86	2.94	3.02	3.10	3.17	3.24	3.31	
59	813	Kien Giang	Kien Giang	5.33	5.37	5.40	5.42	5.44	5.45	5.46	5.46	5.47	
60	821	Bac Lieu	Minh Hai	3.45	3.54	3.62	3.70	3.78	3.85	3.92	3.98	4.04	
61	823	Ca Mau		2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	
<i>Total/Average</i>													
GRAND TOTAL/AVERAGE				2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

			GDP/capita (US\$)					
			1993	1994	1995	1996	1997	
Code	Province	Designated City (From 1996) (Before 1995)						
NORTH EAST								
1	201	Ha Giang	Ha Giang	62	96	91	100	93
2	211	Tuyen Quang	Tuyen Quang	81	106	137	161	154
3	203	Cao Bang	Cao Bang	72	90	107	135	143
4	209	Lang Son	Lang Son	116	162	171	198	202
5	205	Lao Cai	Lao Cai	82	89	125	158	153
6	213	Yen Bai	Yen Bai	91	124	123	146	152
7	207	Bac Can	Bac Thai	119	141	82	88	91
8	215	Thai Nguyen				169	189	191
9	225	Quang Ninh	Quang Ninh	213	247	284	323	340
10	217	Phu Tho	Vinh Phu	107	139	165	184	188
11	219	Vinh Phuc				192	147	170
12	221	Bac Giang	Ha Bac	106	141	145	157	157
13	223	Bac Ninh				170	180	187
<i>Total/Average</i>				110	140	155	175	180
WEST EAST								
14	301	Lai Chau	Lai Chau	108	137	137	152	157
15	303	Son La	Son La	66	89	106	128	125
16	305	Hoa Binh	Hoa Binh	99	130	130	135	142
<i>Total/Average</i>				88	116	122	137	139
RED RIVER DELTA								
17	101	HA NOI*	HA NOI*	363	464	591	687	733
18	103	HAI PHONG*	HAI PHONG*	225	265	349	372	378
19	105	Ha Tay	Ha Tay	104	121	156	181	193
20	107	Hai Duong	Hai Hung	132	145	210	242	246
21	109	Hung Yen				144	197	200
22	115	Thai Binh	Thai Binh	125	142	202	227	226
23	111	Ha Nam	Nam Ha	135	130	162	171	167
24	113	Nam Dinh				178	189	192
25	117	Ninh Binh	Ninh Binh	162	117	143	143	151
<i>Total/Average</i>				172	200	259	295	304
NORTH CENTRAL								
26	401	Thanh Hoa	Thanh Hoa	121	151	165	178	186
27	403	Nghe An	Nghe An	118	150	166	180	178
28	405	Ha Tinh	Ha Tinh	93	107	154	169	164
29	407	Quang Binh	Quang Binh	95	121	143	169	160
30	409	Quang Tri	Quang Tri	94	125	148	164	185
31	411	Thua Thien-Hue	Thua Thien-Hue	140	177	178	209	217
<i>Total/Average</i>				115	144	164	179	182
SOUTH CENTRAL COAST								
32	501	DA NANG*	Quang Nam- Da Nang	137	168	366	388	409
33	503	Quang Nam				151	170	179
34	505	Quang Ngai	Quang Ngai	81	103	139	162	165
35	507	Binh Dinh	Binh Dinh	125	149	168	195	195
36	509	Phu Yen	Phu Yen	97	164	158	174	179
37	511	Khanh Hoa	Khanh Hoa	198	248	297	337	349
38	705	Ninh Thuan	Ninh Thuan	157	180	202	230	233
39	715	Binh Thuan	Binh Thuan	108	135	167	185	193
<i>Total/Average</i>				128	161	194	218	225
CENTRAL HIGHLANDS								
40	603	Gia Lai	Gia Lai	103	122	152	175	202
41	601	Kon Tum	Kon Tum	114	131	141	167	180
42	605	Dac Lac	Dac Lac	132	163	256	296	264
43	703	Lam Dong	Lam Dong	139	168	190	206	201
<i>Total/Average</i>				125	151	203	231	225
SOUTH EAST								
44	701	HO CHI MINH*	HO CHI MINH*	558	679	761	888	939
45	711	Binh Duong	Song Be	153	183	313	452	505
46	707	Binh Phuoc				173	193	194
47	709	Tay Ninh	Tay Ninh	130	159	216	254	270
48	713	Dong Nai	Dong Nai	228	264	330	396	411
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	1,332	1,574	1,517	1,872	1,942
<i>Total/Average</i>				457	548	614	733	773
MEKONG RIVER DELTA								
50	801	Long An	Long An	146	177	237	268	257
51	803	Dong Thap	Dong Thap	164	172	201	210	228
52	805	An Giang	An Giang	182	198	252	286	295
53	807	Tien Giang	Tien Giang	188	196	241	266	273
54	811	Ben Tre	Ben Tre	129	150	214	263	268
55	809	Vinh Long	Vinh Long	171	182	227	250	253
56	817	Tra Vinh	Tra Vinh	131	168	205	266	272
57	815	Can Tho	Can Tho	175	206	250	284	294
58	819	Soc Trang	Soc Trang	122	161	214	232	245
59	813	Kien Giang	Kien Giang	195	216	290	346	329
60	821	Bac Lieu	Minh Hai	172	209	216	201	214
61	823	Ca Mau				300	306	309
<i>Total/Average</i>				165	188	239	268	273
GRAND TOTAL/AVERAGE				180	216	258	297	307

The data by the years 1995, 1996, 1997 are from "Socio - Economic Statistical Data of 61 Provinces and Cities" book, which was published in October 1998 by General Statistical Office.

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 1: Average Growth Rate = 7.0% till 2020

1998-2000: 6.5%

			GDP/capita (US\$)													
			1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Code	Province/Designated City (From 1996)	City (Before 1995)														
NORTH EAST																
1	201	Ha Giang	Ha Giang	97	101	104	109	114	119	124	130	135	142	148	155	162
2	211	Tuyen Quang	Tuyen Quang	160	166	172	180	188	196	205	214	223	234	244	256	268
3	203	Cao Bang	Cao Bang	149	155	161	169	176	184	193	202	211	221	231	242	253
4	209	Lao Son	Lao Son	210	218	226	236	247	258	269	281	294	307	321	335	352
5	205	Lao Cai	Lao Cai	158	164	170	177	185	193	202	211	220	230	241	252	264
6	213	Yen Bai	Yen Bai	168	175	181	189	197	206	215	225	235	246	257	269	281
7	207	Bac Can	Bac Thai	94	98	102	106	111	116	121	126	132	138	144	151	158
8	215	Thai Nguyen		198	206	213	223	233	243	254	265	277	289	303	317	331
9	225	Quang Ninh	Quang Ninh	360	382	404	431	459	489	520	554	591	630	672	716	764
10	217	Phu Tho	Vinh Phu	195	202	210	219	229	239	250	261	273	285	298	312	326
11	219	Vinh Phuc		177	183	190	199	207	216	226	236	247	258	270	282	295
12	221	Bac Giang	Ha Bac	163	169	175	183	191	200	208	218	227	238	249	260	272
13	223	Bac Ninh		191	202	210	219	228	238	249	260	272	284	297	311	325
<i>Total/Average</i>				185	196	204	214	224	234	246	257	270	283	297	312	328
WEST EAST																
14	301	Lai Chau	Lai Chau	163	169	176	183	192	200	209	218	228	238	249	261	273
15	303	Son La	Son La	130	135	140	147	153	160	167	174	182	191	199	209	218
16	305	Hoa Binh	Hoa Binh	145	151	157	164	171	179	187	195	204	213	223	233	244
<i>Total/Average</i>				144	149	155	162	169	177	185	193	202	211	220	231	241
RED RIVER DELTA																
17	101	HANOI*	HANOI*	765	799	836	879	925	975	1028	1086	1147	1214	1285	1362	1445
18	103	HAI PHONG*	HAI PHONG*	400	424	448	478	508	541	575	612	652	694	740	789	841
19	105	Ha Tay	Ha Tay	181	189	197	207	217	228	239	251	263	276	290	305	321
20	107	Hai Duong	Hai Hung	261	276	293	312	333	355	378	403	429	457	487	520	554
21	109	Hong Yen		232	225	239	255	272	290	309	329	351	374	399	425	453
22	115	Thai Binh	Thai Binh	237	248	260	273	288	303	319	335	353	371	391	411	433
23	111	Ha Nam	Nam Ha	174	182	191	200	210	221	232	244	256	269	282	297	312
24	113	Nam Dinh		201	210	219	230	242	254	267	280	294	309	325	341	359
25	117	Ninh Binh	Ninh Binh	157	164	171	179	188	198	207	218	228	240	252	265	279
<i>Total/Average</i>				320	337	355	375	397	420	445	471	499	529	561	595	631
NORTH CENTRAL																
26	401	Thanh Hoa	Thanh Hoa	194	202	211	221	232	244	256	268	282	296	311	327	344
27	403	Nghie An		186	194	202	212	223	234	245	257	270	284	298	314	330
28	405	Ha Tinh	Ha Tinh	172	180	188	198	208	219	231	243	255	269	283	298	313
29	407	Quang Binh	Quang Binh	167	174	181	190	200	209	220	231	242	254	267	281	295
30	409	Quang Tri	Quang Tri	193	201	210	220	231	242	254	267	280	294	309	325	341
31	411	Thua Thien-Hue	Thua Thien-Hue	230	241	259	276	293	312	333	354	377	402	428	457	487
<i>Total/Average</i>				190	199	208	219	230	242	254	268	282	296	312	329	347
SOUTH CENTRAL COAST																
32	501	DA NANG*	Quang Nam- Da Nang	433	458	485	516	549	584	621	661	704	750	799	852	909
33	503	Quang Nam		189	200	212	226	240	256	272	289	308	328	350	373	398
34	505	Quang Ngai	Quang Ngai	175	185	196	209	222	236	252	268	285	303	323	345	368
35	507	Binh Dinh	Binh Dinh	204	212	222	233	244	255	269	282	296	311	327	344	361
36	509	Phu Yen	Phu Yen	185	194	203	213	223	234	246	258	271	284	299	314	330
37	511	Khanh Hoa	Khanh Hoa	365	381	398	417	438	459	482	506	531	557	586	616	648
38	705	Ninh Thuan	Ninh Thuan	245	254	265	278	292	306	321	337	354	372	391	411	432
39	715	Binh Thuan	Binh Thuan	201	209	218	228	240	251	264	277	291	305	321	337	355
<i>Total/Average</i>				236	248	260	275	290	306	323	341	360	381	403	426	451
CENTRAL HIGHLANDS																
40	603	Gia Lai	Gia Lai	206	210	215	221	228	236	245	254	264	275	287	299	312
41	601	Kon Tum	Kon Tum	187	195	202	212	221	231	242	253	264	276	289	302	317
42	605	Dac Lac	Dac Lac	270	276	283	292	302	313	325	338	352	368	384	402	421
43	703	Lam Dong	Lam Dong	207	213	220	229	239	249	261	274	287	301	316	332	350
<i>Total/Average</i>				231	237	243	252	261	271	281	293	306	320	334	350	367
SOUTH EAST																
44	701	HO CHI MINH*	HO CHI MINH*	990	1025	1074	1133	1197	1268	1343	1425	1514	1609	1712	1823	1941
45	711	Binh Duong	Song Be	528	554	582	616	653	692	735	781	831	885	943	1005	1071
46	707	Binh Phuoc		201	209	217	227	237	248	260	273	287	301	316	333	350
47	709	Tay Ninh	Tay Ninh	282	295	308	323	339	356	373	391	411	432	453	477	501
48	713	Dong Nai	Dong Nai	428	447	467	492	519	548	580	615	653	693	737	784	835
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	2037	2138	2247	2374	2512	2659	2817	2990	3176	3376	3592	3824	4073
<i>Total/Average</i>				898	945	986	1035	1089	1146	1209	1276	1349	1427	1511	1592	1699
MEKONG RIVER DELTA																
50	801	Long An	Long An	269	282	295	311	327	344	362	381	401	422	445	468	492
51	803	Dong Thap	Dong Thap	238	249	260	273	287	301	316	332	349	367	385	405	426
52	805	An Giang	An Giang	308	322	337	354	372	391	410	431	452	475	500	526	553
53	807	Tien Giang	Tien Giang	285	298	312	328	345	362	381	400	420	442	464	488	513
54	811	Ben Tre	Ben Tre	279	292	305	320	335	352	369	387	406	427	448	471	495
55	809	Vinh Long	Vinh Long	265	277	289	304	320	336	353	371	390	410	431	453	476
56	817	Tra Vinh	Tra Vinh	285	298	311	327	344	361	380	399	420	441	464	487	513
57	815	Can Tho	Can Tho	307	321	336	354	372	391	411	432	454	477	502	527	555
58	819	Soc Trang	Soc Trang	256	267	279	293	307	322	338	355	373	391	411	432	455
59	813	Kien Giang	Kien Giang	342	357	372	390	410	430	451	473	497	522	548	576	606
60	821	Bac Lieu	Minh Hai	223	233	243	255	268	281	295	309	325	341	358	377	396
61	823	Ca Mau		322	336	351	368	386	405	425	446	468	492	517	543	571
<i>Total/Average</i>				285	298	312	327	344	361	379	398	418	440	462	486	511
GRAND TOTAL/AVERAGE				322	338	354	374	394	416	439	464	490	518	548	581	615

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 1: Average Growth Rate = 7.0% till 2020

1998-2000: 6.5%

				GDP/capita (US\$)									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
		(From 1996)	(Before 1995)										
NORTH EAST													
1	201	Ha Giang	Ha Giang	170	178	187	196	205	215	226	237	249	262
2	211	Tuyen Quang	Tuyen Quang	280	294	308	323	339	355	373	392	411	432
3	203	Cao Bang	Cao Bang	265	278	291	305	320	336	353	370	389	409
4	209	Lang Son	Lang Son	368	385	405	424	445	467	490	515	541	568
5	205	Lao Cai	Lao Cai	277	290	304	318	334	351	368	386	406	426
6	213	Yen Bai	Yen Bai	295	309	323	339	356	373	392	411	432	454
7	207	Bac Can	Bac Thai	166	174	183	191	200	210	220	231	243	255
8	215	Thai Nguyen		347	364	381	400	419	440	462	485	509	535
9	225	Quang Ninh	Quang Ninh	815	870	929	993	1,061	1,134	1,213	1,298	1,388	1,486
10	217	Phu Tho	Vinh Phu	342	358	375	394	413	433	455	477	501	527
11	219	Vinh Phuc		209	224	240	256	274	292	312	332	354	377
12	221	Bac Giang	Ha Bac	285	299	313	328	344	361	379	398	418	439
13	223	Bac Ninh		341	357	374	392	411	432	453	476	500	525
<i>Total/Average</i>				345	363	382	402	423	446	470	495	522	551
WEST EAST													
14	301	Lai Chau	Lai Chau	286	300	314	329	345	362	380	399	419	441
15	303	Son La	Son La	229	240	251	263	276	290	304	319	335	352
16	305	Hoa Binh	Hoa Binh	255	268	280	294	309	324	340	357	375	394
<i>Total/Average</i>				253	265	278	291	305	320	336	353	371	390
RED RIVER DELTA													
17	101	HANOI*	HANOI*	1,534	1,631	1,735	1,848	1,970	2,103	2,246	2,402	2,571	2,752
18	103	HAI PHONG*	HAI PHONG*	898	958	1,023	1,093	1,168	1,249	1,336	1,429	1,529	1,637
19	105	Ha Tay	Ha Tay	338	356	375	395	416	438	462	488	515	543
20	107	Hai Duong	Hai Hung	591	631	674	720	770	823	880	942	1,008	1,079
21	109	Hung Yen		454	516	551	588	629	672	718	768	821	879
22	115	Thai Dinh	Thai Binh	455	479	505	532	560	591	623	657	693	732
23	111	Ha Nam	Nam Ha	329	345	364	384	404	426	450	474	501	528
24	113	Nam Dinh		378	398	419	441	455	490	517	545	575	607
25	117	Ninh Binh	Ninh Binh	293	309	325	343	361	381	402	424	447	472
<i>Total/Average</i>				671	712	757	805	857	911	972	1,035	1,104	1,177
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	362	381	401	423	445	470	495	522	551	582
27	403	Nghe An	Nghe An	347	365	385	405	427	450	475	501	529	558
28	405	Ha Tinh	Ha Tinh	329	347	365	385	405	427	451	475	502	529
29	407	Quang Binh	Quang Binh	311	327	345	363	383	403	425	449	473	500
30	409	Quang Tri	Quang Tri	359	378	398	419	442	466	491	518	547	577
31	411	Thua Thien-Hue	Thua Thien-Hue	520	555	593	633	677	724	774	828	885	943
<i>Total/Average</i>				365	385	407	429	453	479	506	535	566	599
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	970	1,035	1,106	1,184	1,267	1,350	1,443	1,544	1,652	1,769
33	503	Quang Nam		424	453	484	517	552	590	631	675	723	773
34	505	Quang Ngai	Quang Ngai	392	419	447	478	511	545	584	625	669	716
35	507	Binh Dinh	Binh Dinh	380	400	422	444	468	494	521	549	580	612
36	509	Phu Yen	Phu Yen	348	366	385	405	428	451	476	502	529	559
37	511	Khanh Hoa	Khanh Hoa	682	717	756	796	839	884	933	984	1,038	1,096
38	705	Ninh Thuan	Ninh Thuan	454	478	504	531	559	590	622	656	692	731
39	715	Binh Thuan	Binh Thuan	373	393	414	436	459	484	511	539	568	600
<i>Total/Average</i>				477	506	536	568	603	640	679	721	766	814
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	327	342	358	375	394	413	433	455	478	502
41	601	Kon Tum	Kon Tum	332	347	364	382	400	420	441	463	486	511
42	605	Dac Lac	Dac Lac	441	452	464	478	493	509	527	546	567	589
43	703	Lam Dong	Lam Dong	368	387	407	429	452	476	502	529	558	589
<i>Total/Average</i>				384	403	422	443	466	489	514	540	568	597
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	2,069	2,206	2,353	2,511	2,681	2,864	3,061	3,274	3,502	3,749
45	711	Binh Duong	Song Be	1,142	1,219	1,301	1,390	1,485	1,585	1,696	1,813	1,939	2,075
46	707	Binh Phuoc		568	588	608	630	653	678	704	731	761	792
47	709	Tay Ninh	Tay Ninh	528	555	585	616	649	685	722	761	803	848
48	713	Dong Nai	Dong Nai	890	949	1,012	1,080	1,153	1,232	1,317	1,408	1,507	1,613
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	4,340	4,627	4,936	5,268	5,624	6,008	6,422	6,867	7,346	7,853
<i>Total/Average</i>				1,703	1,815	1,936	2,065	2,205	2,354	2,515	2,688	2,875	3,075
MEKONG RIVER DELTA													
50	801	Long An	Long An	518	545	574	605	638	672	709	748	789	833
51	803	Dong Thap	Dong Thap	448	472	497	524	552	582	614	647	683	721
52	805	An Giang	An Giang	582	613	645	680	717	756	797	840	883	936
53	807	Tien Giang	Tien Giang	540	568	598	630	664	701	739	779	822	868
54	811	Ben Tre	Ben Tre	521	548	577	608	640	675	712	751	792	836
55	809	Vinh Long	Vinh Long	501	527	555	585	617	650	685	723	763	805
56	817	Tra Vinh	Tra Vinh	539	568	598	630	664	700	738	778	821	867
57	815	Can Tho	Can Tho	584	614	647	682	718	757	799	842	889	938
58	819	Soc Trang	Soc Trang	479	504	531	559	589	621	655	691	729	770
59	813	Kien Giang	Kien Giang	638	671	707	745	785	828	873	920	971	1,025
60	821	Bac Lieu	Minh Hai	417	439	462	487	513	541	570	602	635	670
61	823	Ca Mau		601	633	667	702	740	782	823	868	916	967
<i>Total/Average</i>				538	566	596	628	662	698	736	776	819	864
GRAND TOTAL/AVERAGE				651	690	732	777	825	876	931	989	1,052	1,118

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 2: Average Growth Rate - 8.0% till 2020

1998-2000: 6.5%

		GDP/capita (US\$)													
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
NORTH EAST															
	(From 1995)														
	(Before 1995)														
1	201 Ha Giang	Ha Giang	97	101	104	110	116	122	129	136	143	151	160	169	178
2	211 Tuyen Quang	Tuyen Quang	160	166	172	182	191	202	213	224	236	249	263	278	294
3	203 Cao Bang	Cao Bang	149	155	161	170	180	190	200	211	223	235	249	263	278
4	209 Lang Son	Lang Son	210	218	226	238	251	265	279	294	311	328	346	366	385
5	205 Lao Cai	Lao Cai	158	164	170	179	189	199	210	221	233	246	260	274	290
6	213 Yen Bai	Yen Bai	168	175	181	191	201	212	223	236	248	262	277	292	309
7	207 Bac Can	Bac Thai	94	98	102	107	113	119	126	132	140	147	156	164	174
8	215 Thai Nguyen		198	206	213	225	237	250	263	278	293	309	326	345	364
9	225 Quang Ninh	Quang Ninh	360	382	404	437	472	509	550	594	642	693	750	811	877
10	217 Phu Tho	Vinh Phu	195	202	210	222	233	246	259	273	288	304	321	339	359
11	219 Vinh Phuc		177	183	190	201	211	223	235	247	261	275	291	307	324
12	221 Bac Giang	Ha Bac	163	169	175	185	195	205	216	228	240	254	268	283	299
13	223 Bac Ninh		194	202	210	221	233	245	258	272	287	303	320	338	357
	<i>Total/Average</i>		188	196	204	216	228	242	256	271	287	304	323	343	364
WEST EAST															
14	301 Lai Chau	Lai Chau	163	169	176	185	195	206	217	229	241	254	269	284	300
15	303 Son La	Son La	130	135	140	148	156	165	173	183	193	204	215	227	240
16	305 Hoa Binh	Hoa Binh	145	151	157	165	174	184	194	204	215	227	240	253	268
	<i>Total/Average</i>		144	149	155	164	173	182	192	202	213	225	238	251	265
RED RIVER DELTA															
17	101 HA NOI*	HA NOI*	765	799	836	891	951	1,016	1,087	1,163	1,246	1,337	1,435	1,542	1,658
18	103 HAI PHONG*	HAI PHONG*	400	424	449	484	522	563	608	656	708	764	826	893	966
19	105 Ha Tay	Ha Tay	181	189	197	209	221	234	248	263	278	295	313	332	353
20	107 Hai Duong	Hai Duong	261	276	293	317	342	370	399	432	466	504	544	588	636
21	109 Hung Yen		212	225	239	258	279	302	326	353	381	412	446	482	521
22	115 Thai Binh	Thai Binh	237	248	260	276	293	311	331	351	373	396	421	447	475
23	111 Ha Nam	Nam Ha	174	182	191	202	214	227	241	255	271	287	304	323	343
24	113 Nam Dinh		201	210	219	232	246	261	277	293	311	330	350	371	394
25	117 Ninh Binh	Ninh Binh	157	164	171	181	192	203	215	228	242	256	272	288	306
	<i>Total/Average</i>		320	337	355	380	407	436	468	502	538	577	620	666	716
NORTH CENTRAL															
26	401 Thanh Hoa	Thanh Hoa	194	202	211	224	237	251	266	281	298	316	335	356	378
27	403 Nghe An	Nghe An	186	194	202	214	227	241	255	270	286	303	321	341	362
28	405 Ha Tinh	Ha Tinh	172	180	188	200	212	225	239	254	270	287	305	324	344
29	407 Quang Binh	Quang Binh	167	174	181	192	203	215	228	242	256	271	288	305	324
30	409 Quang Tri	Quang Tri	193	201	210	222	235	249	264	279	296	314	333	353	375
31	411 Thua Thien-Hue	Thua Thien-Hue	239	244	259	279	302	326	351	379	410	443	478	517	559
	<i>Total/Average</i>		190	199	208	221	235	249	265	281	299	318	338	360	383
SOUTH CENTRAL COAST															
32	501 DA NANG*	Quang Nam- Da Nang	433	458	485	523	564	609	657	709	765	826	892	965	1,043
33	503 Quang Nam		189	200	212	229	247	266	287	310	335	361	390	422	456
34	505 Quang Ngai	Quang Ngai	175	185	196	212	228	246	266	287	309	334	361	390	422
35	507 Binh Dinh	Binh Dinh	204	212	222	235	249	263	279	296	313	332	352	374	397
36	509 Phu Yen	Phu Yen	186	194	203	215	228	241	255	270	286	304	322	342	363
37	511 Khanh Hoa	Khanh Hoa	365	381	398	421	446	472	500	530	561	595	631	670	711
38	705 Ninh Thuan	Ninh Thuan	243	254	265	281	297	315	333	353	374	397	421	447	474
39	715 Binh Thuan	Binh Thuan	201	209	218	234	244	259	274	290	307	326	346	367	389
	<i>Total/Average</i>		236	248	260	276	297	317	338	361	386	412	441	472	505
CENTRAL HIGHLANDS															
40	603 Gia Lai	Gia Lai	206	219	215	223	233	243	254	266	280	294	309	325	343
41	601 Kon Tum	Kon Tum	187	195	202	214	226	238	251	265	280	295	312	329	348
42	605 Dac Lac	Dac Lac	270	276	283	295	308	322	337	354	373	393	414	438	463
43	703 Lam Dong	Lam Dong	207	213	220	231	243	257	271	287	304	322	341	362	384
	<i>Total/Average</i>		231	237	243	254	266	278	292	307	324	342	361	381	403
SOUTHEAST															
44	701 HO CHI MINH*	HO CHI MINH*	980	1,025	1,074	1,143	1,231	1,321	1,420	1,527	1,644	1,772	1,912	2,064	2,229
45	711 Binh Duong	Song Be	528	554	582	624	674	722	777	837	903	975	1,053	1,137	1,229
46	707 Binh Phuoc		201	209	217	229	242	255	270	286	303	322	341	362	384
47	709 Tay Ninh	Tay Ninh	282	295	308	326	345	366	387	410	435	461	489	519	551
48	713 Dong Nai	Dong Nai	428	447	467	499	533	571	613	659	709	763	823	888	959
49	717 Ba Ria-Vung Tau	Ba Ria-Vung Tau	2,037	2,138	2,247	2,407	2,582	2,772	2,979	3,204	3,450	3,718	4,011	4,329	4,675
	<i>Total/Average</i>		808	845	886	948	1,016	1,090	1,171	1,259	1,355	1,459	1,573	1,697	1,832
MEKONG RIVER DELTA															
50	801 Long An	Long An	269	282	295	314	333	354	376	400	425	451	479	509	541
51	803 Dong Thap	Dong Thap	238	249	260	276	292	310	328	348	369	391	415	441	468
52	805 An Giang	An Giang	308	322	337	357	379	402	426	451	479	508	539	572	607
53	807 Tien Giang	Tien Giang	285	298	312	331	351	372	395	419	444	471	500	531	563
54	811 Ben Tre	Ben Tre	279	292	305	323	342	362	383	406	430	455	483	512	543
55	809 Vinh Long	Vinh Long	265	277	289	307	326	346	367	389	412	437	464	492	523
56	817 Tra Vinh	Tra Vinh	285	298	311	330	350	372	394	418	444	471	499	530	563
57	815 Can Tho	Can Tho	307	321	336	357	379	402	426	452	480	509	541	574	609
58	819 Soc Trang	Soc Trang	256	267	279	296	313	332	351	372	394	418	443	470	499
59	813 Kien Giang	Kien Giang	342	357	372	394	417	442	468	496	525	557	591	627	666
60	821 Bac Lieu	Minh Hai	223	233	243	258	273	289	306	321	343	364	386	410	435
61	823 Ca Mau		322	336	351	371	392	417	441	467	495	525	557	591	627
	<i>Total/Average</i>		285	298	312	330	350	371	394	417	443	469	498	528	561
GRAND TOTAL/AVERAGE			322	338	354	378	404	431	460	492	526	563	603	645	692

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 2: Average Growth Rate = 8.0% till 2020

1999-2000: 6.5%

				GDP/capita (US\$)									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
		(From 1976)	(Before 1976)										
NORTHEAST													
1	201	Ha Giang	Ha Giang	188	197	211	223	236	250	265	281	298	316
2	211	Tuyen Quang	Tuyen Quang	311	329	348	368	390	413	438	464	492	521
3	203	Cao Bang	Cao Bang	294	311	329	348	369	391	414	439	465	493
4	209	Lang Son	Lang Son	408	432	457	484	512	543	575	609	646	685
5	205	Lao Cai	Lao Cai	307	324	343	363	385	407	432	457	485	514
6	213	Yen Bai	Yen Bai	327	345	365	387	410	434	460	487	516	543
7	207	Bac Can	Bac Thai	184	194	205	217	230	241	258	274	290	308
8	215	Thai Nguyen		385	407	431	456	483	511	542	574	609	645
9	225	Quang Ninh	Quang Ninh	949	1,027	1,112	1,204	1,305	1,414	1,534	1,663	1,804	1,958
10	217	Phu Tho	Vinh Phou	379	401	424	449	475	503	533	565	599	635
11	219	Vinh Phuc		343	363	384	406	430	456	483	512	542	573
12	221	Bac Giang	Ha Bac	315	334	354	374	396	420	445	472	500	530
13	223	Bac Ninh		378	399	423	447	474	502	531	563	597	633
<i>Total/Average</i>				386	411	437	464	494	526	561	597	637	679
WEST EAST													
14	301	Lai Chau	Lai Chau	347	335	355	376	398	421	446	473	501	532
15	303	Son La	Son La	254	268	284	300	318	337	357	378	401	425
16	305	Hoa Binh	Hoa Binh	283	299	317	335	355	376	399	422	448	475
<i>Total/Average</i>				280	296	314	332	352	372	395	418	443	470
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	1,265	1,924	2,076	2,242	2,423	2,622	2,840	3,079	3,341	3,626
18	103	HAI PHONG*	HAI PHONG*	1,045	1,131	1,224	1,326	1,437	1,558	1,689	1,832	1,987	2,157
19	105	Ha Tay	Ha Tay	374	398	423	450	478	509	542	577	615	655
20	107	Hai Duong	Hai Hung	688	745	807	874	947	1,026	1,113	1,207	1,309	1,421
21	109	Hung Yen		563	609	659	714	773	838	908	984	1,067	1,158
22	115	Thai Binh	Thai Binh	505	536	570	606	645	686	730	778	828	882
23	111	Ha Nam	Nam Ha	364	387	411	437	465	495	527	561	598	637
24	113	Nam Dinh		419	445	473	503	535	569	606	645	687	732
25	117	Ninh Binh	Ninh Binh	325	345	367	391	415	442	471	501	534	569
<i>Total/Average</i>				770	828	892	961	1,035	1,116	1,205	1,300	1,404	1,517
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	401	426	453	482	513	545	581	618	658	702
27	403	Nghe An	Nghe An	385	409	434	462	492	523	557	593	631	673
28	405	Ha Tinh	Ha Tinh	365	388	412	438	466	496	528	562	599	638
29	407	Quang Binh	Quang Binh	344	366	389	414	440	468	498	531	565	602
30	409	Quang Tri	Quang Tri	398	423	450	478	509	541	576	613	653	696
31	411	Thua Thien-Hue	Thua Thien-Hue	605	655	709	768	833	902	978	1,061	1,151	1,249
<i>Total/Average</i>				408	435	463	494	527	563	601	642	686	733
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	1,129	1,222	1,323	1,433	1,553	1,683	1,825	1,979	2,147	2,331
33	503	Quang Nam		494	531	579	627	679	736	798	865	939	1,019
34	505	Quang Ngai	Quang Ngai	457	494	535	580	628	681	738	801	869	943
35	507	Binh Dinh	Binh Dinh	422	448	476	506	539	573	610	650	692	737
36	509	Phu Yen	Phu Yen	385	409	435	463	492	524	558	594	632	674
37	511	Khanh Hoa	Khanh Hoa	755	803	853	907	965	1,027	1,093	1,164	1,240	1,321
38	705	Ninh Thuan	Ninh Thuan	504	535	569	605	644	685	729	776	827	881
39	715	Binh Thuan	Binh Thuan	414	439	467	497	528	562	599	637	679	723
<i>Total/Average</i>				541	589	622	667	716	769	826	887	954	1,026
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	362	382	404	428	453	480	508	539	571	606
41	601	Kon Tum	Kon Tum	368	389	411	435	461	488	517	548	581	616
42	605	Dac Lac	Dac Lac	459	517	547	579	613	650	688	729	773	820
43	703	Lam Dong	Lam Dong	407	433	460	489	520	553	588	626	667	710
<i>Total/Average</i>				426	451	477	506	536	568	603	639	679	720
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	2,408	2,603	2,815	3,046	3,297	3,572	3,870	4,196	4,552	4,940
45	711	Binh Duong	Song Be	1,330	1,438	1,557	1,686	1,826	1,978	2,144	2,324	2,521	2,734
46	707	Binh Phuoc		408	434	461	490	521	555	591	629	670	714
47	709	Tay Ninh	Tay Ninh	585	621	660	702	747	795	846	901	960	1,022
48	713	Dong Nai	Dong Nai	1,036	1,120	1,211	1,310	1,418	1,536	1,665	1,805	1,958	2,125
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	5,051	5,450	5,905	6,390	6,917	7,492	8,119	8,802	9,548	10,361
<i>Total/Average</i>				1,979	2,138	2,311	2,500	2,705	2,928	3,171	3,436	3,725	4,040
MEKONG RIVER DELTA													
50	801	Long An	Long An	574	610	649	690	734	781	831	885	943	1,004
51	803	Dong Thap	Dong Thap	497	528	561	597	635	676	719	766	816	869
52	805	An Giang	An Giang	645	685	729	775	824	877	934	994	1,059	1,128
53	807	Tien Giang	Tien Giang	598	636	676	719	764	814	866	922	982	1,046
54	811	Ben Tre	Ben Tre	577	613	651	692	737	784	834	888	946	1,008
55	809	Vinh Long	Vinh Long	555	590	627	667	710	755	804	856	911	971
56	817	Tra Vinh	Tra Vinh	598	635	675	718	764	813	865	921	981	1,045
57	815	Can Tho	Can Tho	647	687	730	777	826	879	936	997	1,062	1,131
58	819	Soc Trang	Soc Trang	531	564	599	637	678	721	768	818	871	928
59	813	Kien Giang	Kien Giang	707	751	798	849	903	961	1,023	1,089	1,160	1,236
60	821	Bac Lieu	Minh Hai	462	491	522	555	590	628	669	712	758	808
61	823	Ca Mau		666	708	753	801	852	906	965	1,027	1,094	1,166
<i>Total/Average</i>				596	633	673	716	764	810	863	918	978	1,042
GRAND TOTAL/AVERAGE				742	796	854	917	986	1,060	1,140	1,226	1,320	1,421

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 3: Average Growth Rate = 10.0% for 2010

1998-2000: 6.5%

				GDP/capita (US\$)												
Code	Province	Designated City		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	(From 1996)	(Before 1995)														
NORTHEAST																
1	201	Ha Giang	Ha Giang	97	101	104	111	118	126	134	142	151	161	172	183	195
2	211	Tuyen Quang	Tuyen Quang	160	166	172	183	195	207	221	235	250	266	284	302	323
3	203	Cao Bang	Cao Bang	149	155	161	172	183	195	208	221	236	251	268	286	305
4	209	Lang Son	Lang Son	210	218	226	241	256	272	290	308	328	350	373	397	424
5	205	Lao Cai	Lao Cai	158	164	170	181	192	205	218	232	247	263	280	298	318
6	213	Yen Bai	Yen Bai	168	175	181	193	205	218	232	247	263	280	298	318	339
7	207	Bac Can	Bac Thai	94	98	102	108	115	123	130	139	148	157	168	179	191
8	215	Thai Nguyen		198	206	213	227	241	257	273	291	310	330	351	375	400
9	225	Quang Ninh	Quang Ninh	360	382	404	445	489	538	591	650	715	787	857	954	1,051
10	217	Phu Tho	Vinh Phu	195	202	210	224	238	253	269	286	305	325	346	369	393
11	219	Vinh Phuc		177	183	190	202	215	229	244	259	276	294	313	334	356
12	221	Bac Giang	Ha Bac	163	169	175	187	198	211	225	239	254	271	289	308	328
13	223	Bac Ninh		194	202	210	223	237	252	268	285	304	324	345	368	392
Total Average				188	195	204	218	233	250	267	286	307	319	353	379	407
WEST EAST																
14	301	Lai Chau	Lai Chau	163	169	176	187	199	212	225	240	255	272	289	309	329
15	303	Son La	Son La	130	135	140	149	159	169	180	192	204	217	231	247	263
16	305	Hoa Binh	Hoa Binh	145	151	157	167	178	189	201	214	228	243	258	276	294
Total Average				144	149	155	165	176	187	199	212	225	240	256	273	291
RED RIVER DELTA																
17	101	HA NOI*	HA NOI*	765	799	836	908	986	1,073	1,168	1,273	1,389	1,517	1,658	1,815	1,987
18	103	HAI PHONG*	HAI PHONG*	400	424	449	493	542	595	654	718	789	868	955	1,051	1,157
19	105	Ha Tay	Ha Tay	181	189	197	212	227	244	262	281	302	325	350	376	405
20	107	Hai Duong	Hai Hung	261	276	293	323	355	390	429	472	520	572	629	692	762
21	109	Hung Yen		212	225	239	263	290	319	351	386	425	468	515	567	624
22	115	Thai Binh	Thai Binh	237	248	260	280	301	325	350	376	405	437	470	507	546
23	111	Ha Nam	Nam Ha	174	182	191	205	220	237	255	274	294	316	340	366	394
24	113	Nam Dinh		201	210	219	236	253	272	293	315	338	363	391	421	453
25	117	Ninh Binh	Ninh Binh	157	164	171	184	197	212	227	243	262	282	303	327	352
Total Average				320	337	355	386	421	459	500	546	595	650	710	775	848
NORTH CENTRAL																
26	401	Thanh Hoa	Thanh Hoa	194	202	211	227	243	261	281	301	324	348	374	403	434
27	403	Nghie An	Nghie An	186	194	202	217	233	251	269	289	311	334	359	386	416
28	405	Ha Tinh	Ha Tinh	172	180	188	203	218	235	253	273	294	316	340	367	395
29	407	Quang Binh	Quang Binh	167	174	181	195	209	225	241	259	278	299	322	346	373
30	409	Quang Tri	Quang Tri	193	201	210	225	242	260	279	299	322	346	372	400	431
31	411	Thua Thien-Hue	Thua Thien-Hue	230	244	259	284	313	344	378	415	457	505	553	609	670
Total Average				190	199	208	224	242	260	280	302	326	352	379	410	443
SOUTH CENTRAL COAST																
32	501	DA NANG*	Quang Nam- Da Nang	433	458	485	533	585	643	706	775	852	937	1,031	1,135	1,250
33	503	Quang Nam		189	200	212	233	256	281	309	339	373	410	451	497	547
34	505	Quang Ngai	Quang Ngai	175	185	196	216	237	260	286	314	345	379	417	459	506
35	507	Binh Dinh	Binh Dinh	204	212	222	238	256	275	295	317	340	366	394	423	456
36	509	Phu Yen	Phu Yen	156	164	173	188	204	221	239	260	283	309	336	367	401
37	511	Khanh Hoa	Khanh Hoa	365	381	398	427	459	492	529	568	610	656	705	759	817
38	705	Ninh Thuan	Ninh Thuan	243	254	265	285	306	328	352	378	407	437	470	506	545
39	715	Binh Thuan	Binh Thuan	201	209	218	234	251	270	289	311	334	359	386	415	447
Total Average				236	248	260	282	306	332	360	390	424	460	500	544	592
CENTRAL HIGHLANDS																
40	603	Gia Lai	Gia Lai	266	270	275	285	297	310	324	339	354	370	387	405	424
41	601	Kon Tum	Kon Tum	187	195	202	216	230	245	261	278	296	315	336	358	382
42	605	Dac Lac		270	276	283	298	314	331	350	371	394	419	446	476	508
43	703	Lam Dong	Lam Dong	201	213	220	235	250	267	286	307	330	354	381	410	441
Total Average				231	237	243	257	271	287	305	324	345	367	392	418	447
SOUTHEAST																
44	701	HO CHI MINH*	HO CHI MINH*	980	1,025	1,074	1,169	1,276	1,395	1,526	1,672	1,833	2,012	2,210	2,429	2,671
45	711	Binh Duong	Song Be	528	554	582	636	696	762	835	917	1,007	1,107	1,217	1,339	1,473
46	707	Binh Phuoc		201	209	217	232	248	266	286	307	330	354	381	410	441
47	709	Tay Ninh	Tay Ninh	282	295	308	331	355	381	409	440	472	508	545	587	632
48	713	Dong Nai	Dong Nai	428	447	467	508	553	603	659	722	790	867	951	1,045	1,149
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	2,037	2,138	2,247	2,451	2,677	2,927	3,202	3,507	3,845	4,220	4,636	5,095	5,603
Total Average				808	845	886	965	1,053	1,150	1,258	1,377	1,509	1,655	1,816	1,995	2,192
SIKONG RIVER DELTA																
50	801	Long An	Long An	269	282	295	318	343	369	398	428	461	497	535	576	621
51	803	Dong Thap	Dong Thap	238	249	260	279	300	323	347	373	401	431	464	499	537
52	805	An Giang	An Giang	308	322	337	362	389	419	450	484	520	559	602	648	698
53	807	Tien Giang	Tien Giang	285	298	312	336	361	388	418	449	483	519	559	601	647
54	811	Ben Tre	Ben Tre	279	292	305	327	351	377	405	435	467	502	539	580	624
55	809	Vinh Long	Vinh Long	265	277	289	311	335	360	387	417	448	482	518	558	601
56	817	Tra Vinh	Tra Vinh	285	298	311	335	360	388	417	448	482	519	558	600	646
57	815	Can Tho	Can Tho	307	321	336	362	389	419	451	485	522	561	604	650	699
58	819	Soc Trang	Soc Trang	256	267	279	300	322	346	371	399	428	461	495	533	574
59	813	Kien Giang	Kien Giang	342	357	372	400	429	461	495	531	571	614	660	710	764
60	821	Bac Lieu	Minh Hai	223	233	243	261	280	301	323	347	373	401	431	464	500
61	823	Ca Mau		222	236	251	277	304	334	366	401	438	479	522	569	621
Total Average				285	298	312	335	360	387	416	447	481	517	556	599	645
GRAND TOTAL				322	338	354	384	416	452	490	532	578	628	684	744	810

Appendix I-7-6A Main POTS Market Forecast (4) RGDP per Capita (US\$)

Scenario 3 : Average Growth Rate = 10.0% till 2010

1998-2000 : 6.5%

			GDP/capita (US\$)										
			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Code	Province	Designated City (From 1996) (Before 1995)											
NORHEAST													
1	201	Ha Giang	Ha Giang	209	223	238	254	272	290	311	332	355	381
2	211	Tuyen Quang	Tuyen Quang	344	368	393	419	448	479	513	548	587	628
3	203	Cao Bang	Cao Bang	326	348	371	397	424	453	485	519	555	594
4	209	Lang Son	Lang Son	452	483	516	551	589	630	674	721	771	825
5	205	Lao Cai	Lao Cai	340	363	387	414	442	473	506	541	579	619
6	213	Yen Bai	Yen Bai	362	386	412	441	471	503	538	576	616	660
7	207	Bac Can	Bac Thai	203	217	232	248	265	283	303	324	346	371
8	215	Thai Nguyen		426	455	486	519	555	593	635	679	726	778
9	225	Quang Ninh	Quang Ninh	1,158	1,276	1,407	1,552	1,712	1,870	2,086	2,304	2,545	2,812
10	217	Phu Tho	Vinh Phu	420	418	479	531	546	584	625	668	715	765
11	219	Vinh Phuc		350	406	433	463	495	529	566	605	647	693
12	221	Bac Giang	Ha Bac	350	374	399	427	456	487	521	557	597	639
13	223	Bac Ninh		418	447	477	510	545	582	623	666	713	762
<i>Total Average</i>			437	470	506	544	586	632	681	735	793	857	
WEST EAST													
14	301	Lai Chau	Lai Chau	351	375	400	428	457	489	523	559	598	640
15	303	Son La	Son La	281	300	320	342	366	391	418	447	479	512
16	305	Hoa Binh	Hoa Binh	314	335	358	382	408	437	467	500	535	572
<i>Total Average</i>			311	332	354	378	404	432	462	494	529	566	
RED RIVER DELTA													
17	101	HAI NOI*	HAI NOI*	2,179	2,391	2,627	2,888	3,179	3,503	3,863	4,265	4,713	5,208
18	103	HAI PHONG*	HAI PHONG*	1,275	1,405	1,549	1,709	1,885	2,081	2,297	2,537	2,803	3,097
19	105	Ha Tay	Ha Tay	436	470	506	546	589	636	685	741	800	864
20	107	Hai Duong	Hai Hung	840	926	1,021	1,126	1,242	1,371	1,514	1,672	1,847	2,041
21	109	Hung Yen		687	757	834	920	1,014	1,119	1,235	1,363	1,506	1,663
22	115	Thai Binh	Thai Binh	588	633	682	736	794	856	924	998	1,078	1,164
23	111	Ha Nam	Nam Ha	424	437	493	531	573	618	667	720	778	840
24	113	Nam Dinh		458	525	566	610	658	710	767	828	894	966
25	117	Ninh Binh	Ninh Binh	379	408	440	474	511	552	596	643	695	750
<i>Total Average</i>			927	1,015	1,112	1,219	1,336	1,466	1,609	1,768	1,942	2,135	
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	467	503	542	585	631	681	735	793	857	926
27	403	Nghé An	Nghé An	448	483	520	561	605	653	705	761	822	888
28	405	Ha Tinh	Ha Tinh	425	458	494	532	574	619	669	722	779	842
29	407	Quang Binh	Quang Binh	404	432	466	502	542	585	631	681	736	795
30	409	Quang Tri	Quang Tri	464	500	538	581	626	676	729	787	850	918
31	411	Thua Thien-Hue	Thua Thien-Hue	739	814	897	990	1,092	1,206	1,331	1,470	1,624	1,794
<i>Total Average</i>			478	517	560	606	656	710	770	834	905	982	
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	1,377	1,518	1,674	1,846	2,037	2,248	2,482	2,742	3,029	3,347
33	503	Quang Nam		602	664	732	807	891	983	1,086	1,199	1,325	1,464
34	505	Quang Ngai	Quang Ngai	557	614	677	747	824	910	1,005	1,109	1,226	1,354
35	507	Binh Dinh	Binh Dinh	491	529	570	615	663	716	772	834	901	973
36	509	Phu Yen	Phu Yen	419	483	521	562	606	654	706	762	823	889
37	511	Khanh Hoa	Khanh Hoa	880	948	1,022	1,102	1,188	1,282	1,384	1,494	1,613	1,743
38	705	Ninh Thuan	Ninh Thuan	587	632	681	735	792	855	923	996	1,076	1,162
39	715	Binh Thuan	Binh Thuan	482	519	559	603	651	702	758	818	883	954
<i>Total Average</i>			644	702	764	834	909	992	1,083	1,183	1,293	1,414	
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	401	428	456	487	521	557	595	637	682	729
41	601	Kon Tum	Kon Tum	407	435	464	496	530	567	606	648	693	742
42	605	Dac Lac	Dac Lac	542	578	618	660	705	754	806	862	923	988
43	703	Lam Dong	Lam Dong	475	511	551	593	640	690	745	803	867	937
<i>Total Average</i>			478	511	547	585	627	672	720	772	828	888	
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	2,938	3,234	3,562	3,924	4,326	4,771	5,265	5,812	6,420	7,091
45	711	Binh Duong	Song Be	1,622	1,787	1,970	2,172	2,395	2,643	2,916	3,220	3,555	3,927
46	707	Binh Phuoc		475	512	552	595	642	693	747	807	872	941
47	709	Tay Ninh	Tay Ninh	681	734	791	853	920	992	1,071	1,156	1,249	1,349
48	713	Dong Nai	Dong Nai	1,264	1,391	1,532	1,688	1,861	2,052	2,265	2,500	2,762	3,052
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	6,164	6,785	7,472	8,232	9,075	10,009	11,044	12,192	13,456	14,831
<i>Total Average</i>			2,411	2,652	2,919	3,214	3,541	3,903	4,304	4,748	5,231	5,788	
MEKONG RIVER DELTA													
50	801	Long An	Long An	669	721	777	837	903	975	1,052	1,135	1,227	1,325
51	803	Dong Thap	Dong Thap	579	623	672	725	782	843	910	983	1,061	1,145
52	805	An Giang	An Giang	752	819	873	941	1,015	1,095	1,182	1,276	1,378	1,489
53	807	Tien Giang	Tien Giang	697	751	809	872	941	1,015	1,096	1,183	1,278	1,380
54	811	Ben Tre	Ben Tre	672	724	780	841	907	978	1,056	1,140	1,231	1,330
55	809	Vinh Long	Vinh Long	647	697	751	810	873	942	1,017	1,098	1,186	1,281
56	817	Tra Vinh	Tra Vinh	696	750	808	872	940	1,014	1,095	1,182	1,276	1,379
57	815	Can Tho	Can Tho	753	812	875	943	1,017	1,098	1,185	1,279	1,381	1,492
58	819	Soc Trang	Soc Trang	618	666	718	774	835	901	972	1,049	1,133	1,224
59	813	Kien Giang	Kien Giang	823	887	956	1,031	1,112	1,200	1,295	1,398	1,509	1,630
60	821	Bac Lieu	Minh Hai	538	580	625	674	727	784	846	914	987	1,066
61	823	Ca Mau		776	836	901	972	1,048	1,131	1,221	1,318	1,424	1,538
<i>Total Average</i>			694	748	806	869	937	1,011	1,092	1,179	1,273	1,375	
GRAND TOTAL			883	963	1,051	1,147	1,253	1,369	1,497	1,637	1,792	1,962	

Appendix I-7-6A Main POTS Market Forecast

(5) Population

* : Designated City

Code	Province/Designated City		Population ('000)					Population Forecast ('000)					
	(From 1996)	(Before 1995)	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
NORTH EAST													
1	201	Ha Giang	Ha Giang	492	506	520	535	546	555	564	573	582	592
2	211	Tuyen Quang	Tuyen Quang	599	614	629	645	658	669	680	691	702	713
3	203	Cao Bang	Cao Bang	598	614	626	638	549	558	566	574	582	590
4	209	Lang Son	Lang Son	640	656	672	690	703	716	729	741	753	765
5	205	Lao Cai	Lao Cai	497	515	535	552	566	575	587	598	609	619
6	213	Yen Bai	Yen Bai	610	617	638	652	664	675	687	698	709	720
7	207	Bac Can	Bac Thai	1,104	1,119	1,145	1,168	907	312	317	322	327	332
8	215	Thai Nguyen	Bac Thai					972	981	996	1,012	1,028	1,041
9	225	Quang Ninh	Quang Ninh	858	874	890	900	915	925	938	952	965	979
10	217	Phu Tho	Vinh Phu	2,117	2,164	2,203	2,249	1,232	1,264	1,284	1,304	1,324	1,345
11	219	Vinh Phuc	Vinh Phuc					1,050	1,067	1,085	1,102	1,120	1,137
12	221	Bac Giang	Ha Bac	2,173	2,222	2,263	2,308	1,428	1,452	1,475	1,499	1,523	1,547
13	223	Bac Ninh	Bac Ninh					909	925	940	955	970	986
<i>Total/Average</i>				9,687	9,899	10,120	10,336	10,509	10,673	10,847	11,019	11,193	11,369
WEST EAST													
14	301	Lai Chau	Lai Chau	469	482	501	521	535	546	556	566	575	585
15	303	Son La	Son La	729	754	776	802	818	833	847	860	874	887
16	305	Hoa Binh	Hoa Binh	682	699	713	729	744	757	770	783	795	807
<i>Total/Average</i>				1,879	1,934	1,999	2,052	2,097	2,136	2,173	2,209	2,245	2,279
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	2,070	2,106	2,155	2,194	2,230	2,285	2,357	2,427	2,498	2,568
18	103	HAI PHONG*	HAI PHONG*	1,512	1,542	1,584	1,615	1,643	1,668	1,693	1,718	1,744	1,770
19	105	Ha Tay	Ha Tay	2,129	2,170	2,218	2,257	2,294	2,331	2,367	2,403	2,440	2,478
20	107	Hai Duong	Hai Hung	2,559	2,612	2,658	2,709	1,674	1,694	1,717	1,741	1,764	1,788
21	109	Hung Yen	Hung Yen					1,070	1,084	1,098	1,112	1,127	1,141
22	115	Thai Binh	Thai Binh	1,710	1,738	1,768	1,789	1,810	1,831	1,853	1,875	1,897	1,920
23	111	Ha Nam	Nam Ha	2,484	2,531	2,586	2,640	802	814	825	836	848	860
24	113	Nam Dinh	Nam Dinh					1,880	1,907	1,934	1,961	1,989	2,017
25	117	Ninh Binh	Ninh Binh	803	819	840	861	877	892	906	920	935	950
<i>Total/Average</i>				13,267	13,518	13,809	14,065	14,279	14,503	14,718	14,994	15,242	15,497
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	3,160	3,233	3,312	3,382	3,439	3,497	3,553	3,610	3,668	3,726
27	403	Nghê An	Nghê An	2,562	2,623	2,681	2,743	2,787	2,830	2,874	2,918	2,963	3,009
28	405	Ha Tinh	Ha Tinh	1,235	1,265	1,294	1,309	1,327	1,343	1,359	1,375	1,392	1,409
29	407	Quang Binh	Quang Binh	698	716	737	762	778	793	806	820	833	847
30	409	Quang Tri	Quang Tri	492	505	521	535	544	553	562	571	580	590
31	411	Thua Thien-Hue	Thua Thien-Hue	921	945	973	995	1,013	1,027	1,042	1,057	1,072	1,088
<i>Total/Average</i>				9,068	9,287	9,517	9,727	9,888	10,042	10,196	10,352	10,509	10,668
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam - Da Nang	1,836	1,811	1,912	1,953	647	656	667	678	689	700
33	503	Quang Nam	Quang Nam					1,337	1,357	1,379	1,401	1,424	1,447
34	505	Quang Ngai	Quang Ngai	1,094	1,119	1,150	1,179	1,197	1,215	1,234	1,252	1,271	1,290
35	507	Binh Dinh	Binh Dinh	1,304	1,337	1,373	1,407	1,432	1,455	1,478	1,501	1,525	1,548
36	509	Phu Yen	Phu Yen	673	689	709	731	745	758	770	782	794	807
37	511	Khánh Hòa	Khánh Hòa	874	897	924	947	965	979	994	1,008	1,024	1,039
38	705	Ninh Thuan	Ninh Thuan	401	438	449	495	468	476	483	491	499	507
39	715	Binh Thuan	Binh Thuan	835	830	859	882	903	925	943	961	978	995
<i>Total/Average</i>				7,016	6,922	7,375	7,594	7,695	7,821	7,948	8,075	8,203	8,332
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	694	708	738	763	786	815	844	874	903	931
41	601	Kon Tum	Kon Tum	234	241	250	256	262	265	269	273	277	280
42	605	Dac Lac	Dac Lac	1,075	1,126	1,173	1,211	1,255	1,302	1,347	1,392	1,435	1,477
43	703	Lam Dong	Lam Dong	696	729	743	769	798	828	854	880	904	928
<i>Total/Average</i>				2,698	2,805	2,904	2,999	3,102	3,210	3,315	3,418	3,519	3,616
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	4,076	4,145	4,322	4,392	4,635	4,843	4,990	5,139	5,283	5,420
45	711	Binh Duong	Song Be	1,022	1,045	1,082	1,114	618	632	650	667	684	700
46	707	Binh Phuoc	Binh Phuoc					522	535	549	562	574	586
47	709	Tay Ninh	Tay Ninh	836	856	869	888	905	918	932	946	960	975
48	713	Dong Nai	Dong Nai	1,675	1,721	1,763	1,813	1,861	1,913	1,975	2,039	2,100	2,158
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	611	637	657	671	688	706	724	742	760	778
<i>Total/Average</i>				8,220	8,406	8,693	8,878	9,229	9,548	9,820	10,095	10,361	10,616
MEKONG RIVER DELTA													
50	801	Long An	Long An	1,175	1,197	1,225	1,252	1,270	1,285	1,300	1,316	1,331	1,347
51	803	Dong Thap	Dong Thap	1,403	1,433	1,463	1,491	1,516	1,537	1,559	1,581	1,603	1,625
52	805	An Giang	An Giang	1,850	1,896	1,934	1,971	1,998	2,027	2,056	2,084	2,113	2,143
53	807	Tien Giang	Tien Giang	1,557	1,591	1,622	1,656	1,680	1,703	1,726	1,749	1,773	1,797
54	811	Ben Tre	Ben Tre	1,263	1,285	1,309	1,330	1,351	1,373	1,394	1,416	1,437	1,460
55	809	Vinh Long	Vinh Long	1,003	1,025	1,041	1,062	1,081	1,095	1,110	1,125	1,140	1,155
56	817	Tra Vinh	Tra Vinh	902	924	939	958	977	990	1,003	1,017	1,030	1,044
57	815	Can Tho	Can Tho	1,700	1,739	1,781	1,817	1,846	1,876	1,905	1,931	1,957	1,982
58	819	Soe Trang	Soe Trang	1,123	1,152	1,173	1,197	1,216	1,236	1,255	1,274	1,293	1,313
59	813	Kien Giang	Kien Giang	1,266	1,299	1,327	1,360	1,390	1,421	1,447	1,473	1,498	1,522
60	821	Bac Lieu	Minh Hai	1,643	1,681	1,719	1,737	754	772	784	795	807	819
61	823	Ca Mau	Ca Mau					1,041	1,064	1,082	1,100	1,118	1,135
<i>Total/Average</i>				14,894	15,321	15,532	15,851	16,119	16,377	16,619	16,861	17,102	17,344
GRAND TOTAL/AVERAGE				66,729	67,991	69,939	71,501	72,918	74,310	75,665	77,023	78,373	79,716
<i>Average Growth Rate</i>					1.89%	2.87%	2.23%	1.58%	1.91%	1.82%	1.79%	1.75%	1.71%

The data by the years 1995, 1996, 1997 from "Socio - Economic Statistical Data of 61 Provinces and Cities" book, which was published in 10/1998 by General Statistical Office

Main (1/3)

Appendix I-7-6A Main POTS Market Forecast

(5) Population

*: Designated City

Code	Province/Designated City (From 1996)	Province/Designated City (Before 1995)	Population Forecast ('000)										
			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
NORTHEAST													
1	201	Ha Giang	Ha Giang	601	610	620	629	639	648	657	665	674	683
2	211	Tuyen Quang	Tuyen Quang	724	735	747	758	769	780	791	802	812	822
3	203	Cao Bang	Cao Bang	598	606	615	623	632	641	649	657	665	674
4	209	Lang Son	Lang Son	776	788	800	812	824	836	847	859	870	881
5	205	Lao Cai	Lao Cai	629	638	648	657	667	677	686	696	705	714
6	213	Yen Bai	Yen Bai	732	743	754	766	777	789	800	811	821	832
7	207	Bac Can	Bac Thai	337	342	345	353	358	363	368	373	378	383
8	215	Thai Nguyen		1,061	1,077	1,093	1,110	1,126	1,143	1,159	1,174	1,190	1,205
9	225	Quang Ninh	Quang Ninh	992	1,006	1,020	1,035	1,049	1,063	1,077	1,091	1,104	1,118
10	217	Phu Tho	Vinh Phu	1,366	1,388	1,409	1,430	1,451	1,472	1,493	1,513	1,533	1,552
11	219	Vinh Phuc		1,155	1,173	1,192	1,210	1,228	1,246	1,263	1,280	1,297	1,313
12	221	Bac Giang	Ha Bac	1,572	1,596	1,621	1,645	1,670	1,695	1,718	1,742	1,764	1,786
13	223	Bac Ninh		1,001	1,017	1,032	1,048	1,064	1,079	1,095	1,109	1,124	1,138
<i>Total/Average</i>				11,545	11,721	11,898	12,076	12,255	12,432	12,604	12,773	12,938	13,100
WEST EAST													
14	301	Lai Chau	Lai Chau	593	602	611	620	630	639	648	657	665	673
15	303	Son La	Son La	901	914	928	942	956	970	983	997	1,010	1,022
16	305	Hoa Binh	Hoa Binh	819	831	841	856	869	882	894	906	918	929
<i>Total/Average</i>				2,313	2,348	2,383	2,419	2,455	2,491	2,527	2,559	2,591	2,625
RED RIVER DELTA													
17	101	HA NOI*	HA NOI*	2,637	2,706	2,773	2,840	2,905	2,969	3,031	3,092	3,151	3,208
18	103	HAI PHONG*	HAI PHONG*	1,796	1,823	1,851	1,878	1,907	1,934	1,961	1,988	2,014	2,039
19	105	Ha Tay	Ha Tay	2,515	2,553	2,591	2,630	2,670	2,708	2,746	2,783	2,819	2,855
20	107	Hai Duong	Hai Hung	1,812	1,837	1,862	1,887	1,913	1,939	1,965	1,992	2,018	2,043
21	109	Hung Yen		1,156	1,171	1,187	1,202	1,218	1,233	1,249	1,266	1,282	1,299
22	115	Thai Binh	Thai Binh	1,943	1,967	1,990	2,014	2,038	2,063	2,088	2,113	2,138	2,164
23	111	Ha Nam	Nam Ha	872	884	897	909	922	935	948	961	973	985
24	113	Nam Dinh		2,045	2,073	2,103	2,132	2,162	2,192	2,223	2,253	2,282	2,311
25	117	Ninh Binh	Ninh Binh	964	979	993	1,008	1,023	1,038	1,052	1,067	1,080	1,094
<i>Total/Average</i>				15,742	15,993	16,246	16,501	16,757	17,012	17,265	17,514	17,758	17,997
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	3,782	3,839	3,896	3,955	4,014	4,072	4,129	4,185	4,239	4,292
27	403	Nghe An	Nghe An	3,054	3,100	3,146	3,193	3,241	3,288	3,334	3,379	3,423	3,466
28	405	Ha Tinh	Ha Tinh	1,426	1,443	1,461	1,479	1,497	1,515	1,533	1,552	1,571	1,590
29	407	Quang Binh	Quang Binh	859	872	885	899	912	926	939	951	964	976
30	409	Quang Tri	Quang Tri	599	608	617	626	636	645	654	663	671	680
31	411	Thua Thien-Hue	Thua Thien-Hue	1,103	1,119	1,135	1,152	1,168	1,185	1,201	1,216	1,231	1,247
<i>Total/Average</i>				10,823	10,981	11,141	11,303	11,468	11,630	11,790	11,946	12,099	12,250
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	710	721	732	743	754	765	775	785	795	806
33	503	Quang Nam		1,468	1,490	1,513	1,536	1,559	1,581	1,603	1,625	1,646	1,667
34	505	Quang Ngai	Quang Ngai	1,309	1,329	1,349	1,369	1,389	1,409	1,429	1,448	1,467	1,485
35	507	Binh Dinh	Binh Dinh	1,572	1,595	1,619	1,643	1,668	1,692	1,716	1,739	1,761	1,783
36	509	Phu Yen	Phu Yen	819	831	844	856	869	882	894	906	918	930
37	511	Khanh Hoa	Khanh Hoa	1,055	1,070	1,085	1,103	1,119	1,136	1,152	1,167	1,182	1,197
38	705	Ninh Thuan	Ninh Thuan	515	522	530	538	546	554	562	569	577	584
39	715	Binh Thuan	Binh Thuan	1,011	1,026	1,041	1,057	1,073	1,088	1,104	1,119	1,133	1,147
<i>Total/Average</i>				8,458	8,585	8,714	8,844	8,977	9,107	9,234	9,359	9,481	9,599
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	958	984	1,008	1,032	1,053	1,074	1,093	1,112	1,129	1,146
41	601	Kon Tum	Kon Tum	284	285	292	296	301	305	309	313	317	321
42	605	Dac Lac	Dac Lac	1,515	1,554	1,590	1,624	1,655	1,683	1,708	1,732	1,755	1,777
43	703	Lam Dong	Lam Dong	950	971	991	1,008	1,025	1,040	1,055	1,070	1,084	1,098
<i>Total/Average</i>				3,709	3,798	3,882	3,960	4,033	4,101	4,165	4,227	4,285	4,343
SOUTH EAST													
44	701	HO CHI MINH*	HO CHI MINH*	5,550	5,672	5,785	5,895	6,001	6,103	6,200	6,293	6,384	6,473
45	711	Binh Duong	Song Be	714	728	741	754	766	777	788	800	810	821
46	707	Binh Phuoc		597	608	618	628	637	647	656	665	673	682
47	709	Tay Ninh	Tay Ninh	989	1,004	1,019	1,034	1,050	1,065	1,080	1,095	1,109	1,123
48	713	Dong Nai	Dong Nai	2,214	2,267	2,317	2,364	2,408	2,452	2,493	2,533	2,571	2,607
49	717	Ba Ria- Vung Tau	Ba Ria- Vung Tau	795	811	828	843	858	873	887	900	913	926
<i>Total/Average</i>				10,860	11,090	11,308	11,518	11,721	11,917	12,105	12,285	12,451	12,632
MEKONG RIVER DELTA													
50	801	Long An	Long An	1,364	1,380	1,396	1,413	1,430	1,447	1,465	1,482	1,500	1,518
51	803	Dong Thap	Dong Thap	1,643	1,671	1,694	1,718	1,742	1,766	1,791	1,815	1,839	1,852
52	805	An Giang	An Giang	2,123	2,204	2,234	2,266	2,298	2,330	2,361	2,392	2,422	2,451
53	807	Tien Giang	Tien Giang	1,821	1,846	1,871	1,896	1,922	1,948	1,974	2,001	2,027	2,052
54	811	Ben Tre	Ben Tre	1,482	1,504	1,527	1,549	1,573	1,596	1,620	1,642	1,664	1,686
55	809	Vinh Long	Vinh Long	1,171	1,187	1,202	1,219	1,235	1,252	1,268	1,285	1,302	1,318
56	817	Tra Vinh	Tra Vinh	1,058	1,072	1,086	1,101	1,115	1,130	1,145	1,161	1,176	1,191
57	815	Can Tho	Can Tho	2,008	2,035	2,062	2,089	2,116	2,144	2,172	2,200	2,229	2,257
58	819	Soc Trang	Soc Trang	1,333	1,353	1,373	1,394	1,415	1,435	1,455	1,475	1,494	1,513
59	813	Kien Giang	Kien Giang	1,545	1,568	1,592	1,616	1,640	1,664	1,687	1,710	1,732	1,754
60	821	Bac Lieu	Minh Hai	832	844	857	870	883	896	908	921	933	944
61	823	Ca Mau		1,152	1,169	1,187	1,204	1,222	1,240	1,258	1,275	1,291	1,307
<i>Total/Average</i>				17,586	17,832	18,081	18,334	18,590	18,848	19,104	19,358	19,608	19,853
GRAND TOTAL/AVERAGE				81,036	82,348	83,653	84,956	86,257	87,537	88,792	90,021	91,224	92,398
<i>Average Growth Rate</i>				1.66%	1.62%	1.58%	1.56%	1.53%	1.49%	1.43%	1.38%	1.34%	1.29%

The data by the years 1995, 1996, 1997 from "Socio- Economic Statistical Data of 61 Provinces and Cities" book, which was published in 10/1998 by General Statistical Office

Main (2/3)

Appendix I-7-6A Main POTS Market Forecast

(5) Population

* : Designated City

				Population Forecast ('000)									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Code	Province/Designated City	Province/Designated City	(From 1996)										
				(Before 1995)									
NORTHEAST													
1	201	Ha Giang	Ha Giang	691	699	707	715	722	729	737	744	750	757
2	211	Tuyen Quang	Tuyen Quang	832	842	852	861	870	879	887	896	904	912
3	203	Cao Bang	Cao Bang	682	690	697	705	712	720	727	734	741	747
4	209	Lang Son	Lang Son	891	902	912	922	932	941	950	959	968	977
5	205	Lao Cai	Lao Cai	722	731	739	747	755	762	770	777	785	792
6	213	Yen Bai	Yen Bai	842	852	861	871	880	889	898	906	915	923
7	207	Bac Can	Bac Thai	388	392	397	401	405	409	413	417	421	425
8	215	Thai Nguyen		1,219	1,233	1,247	1,261	1,274	1,287	1,300	1,312	1,325	1,337
9	225	Quang Ninh	Quang Ninh	1,132	1,145	1,158	1,171	1,183	1,195	1,207	1,219	1,230	1,241
10	217	Phu Tho	Vinh Phu	1,571	1,589	1,607	1,625	1,642	1,659	1,675	1,692	1,707	1,723
11	219	Vinh Phuc		1,329	1,344	1,359	1,374	1,389	1,403	1,417	1,430	1,444	1,457
12	221	Bac Giang	Ha Bac	1,808	1,829	1,850	1,870	1,890	1,909	1,928	1,947	1,965	1,982
13	223	Bac Ninh		1,152	1,165	1,178	1,191	1,204	1,216	1,228	1,240	1,252	1,263
Total/Average				13,259	13,414	13,565	13,713	13,857	13,999	14,137	14,273	14,406	14,536
BESTEAST													
14	301	Lai Chau	Lai Chau	682	690	697	705	712	720	727	734	741	747
15	303	Son La	Son La	1,035	1,047	1,058	1,070	1,081	1,092	1,103	1,114	1,124	1,134
16	305	Hoa Binh	Hoa Binh	941	952	962	973	983	993	1,003	1,012	1,022	1,031
Total/Average				2,657	2,688	2,718	2,748	2,777	2,805	2,833	2,860	2,886	2,912
RED RIVER DELTA													
17	101	HANOI*	HANOI*	3,262	3,314	3,364	3,411	3,456	3,497	3,536	3,571	3,603	3,636
18	103	HAI PHONG*	HAI PHONG*	2,063	2,087	2,111	2,134	2,156	2,178	2,200	2,221	2,242	2,262
19	105	Ha Tay	Ha Tay	2,889	2,923	2,956	2,988	3,020	3,050	3,080	3,110	3,139	3,167
20	107	Hai Duong	Hai Hung	2,067	2,092	2,115	2,138	2,161	2,183	2,204	2,225	2,246	2,266
21	109	Hung Yen		1,315	1,331	1,347	1,362	1,377	1,391	1,406	1,420	1,434	1,447
22	115	Thai Binh	Thai Binh	2,190	2,216	2,241	2,265	2,289	2,312	2,335	2,358	2,380	2,401
23	111	Ha Nam	Nam Ha	998	1,009	1,021	1,032	1,043	1,053	1,064	1,074	1,084	1,094
24	113	Nam Dinh		2,339	2,366	2,393	2,419	2,445	2,469	2,494	2,518	2,541	2,564
25	117	Ninh Binh	Ninh Binh	1,107	1,120	1,133	1,145	1,157	1,169	1,180	1,191	1,202	1,213
Total/Average				18,231	18,458	18,686	18,914	19,142	19,370	19,599	19,828	19,971	20,050
NORTH CENTRAL													
26	401	Thanh Hoa	Thanh Hoa	4,344	4,395	4,444	4,493	4,540	4,586	4,631	4,676	4,719	4,762
27	403	Nghe An	Nghe An	3,508	3,549	3,589	3,628	3,667	3,704	3,741	3,777	3,812	3,846
28	405	Ha Tinh	Ha Tinh	1,609	1,628	1,646	1,664	1,682	1,699	1,716	1,732	1,749	1,764
29	407	Quang Binh	Quang Binh	958	999	1,010	1,022	1,032	1,043	1,053	1,063	1,073	1,083
30	409	Quang Tri	Quang Tri	688	696	704	712	719	727	734	741	748	755
31	411	Thua Thien-Hue	Thua Thien-Hue	1,262	1,277	1,291	1,305	1,319	1,332	1,346	1,359	1,371	1,384
Total/Average				12,399	12,544	12,686	12,824	12,959	13,091	13,221	13,348	13,472	13,593
SOUTH CENTRAL COAST													
32	501	DA NANG*	Quang Nam- Da Nang	816	825	834	843	852	861	869	878	886	894
33	503	Quang Nam		1,687	1,707	1,726	1,745	1,763	1,781	1,799	1,816	1,833	1,849
34	505	Quang Ngai	Quang Ngai	1,503	1,521	1,538	1,555	1,571	1,587	1,603	1,618	1,633	1,648
35	507	Binh Dinh	Binh Dinh	1,805	1,826	1,846	1,866	1,886	1,905	1,924	1,942	1,960	1,978
36	509	Phu Yen	Phu Yen	941	952	963	973	984	994	1,004	1,013	1,023	1,032
37	514	Khánh Hòa	Khánh Hòa	1,212	1,226	1,240	1,253	1,266	1,279	1,292	1,304	1,317	1,328
38	705	Ninh Thuan	Ninh Thuan	591	598	605	611	617	624	630	636	642	648
39	715	Binh Thuan	Binh Thuan	1,161	1,175	1,188	1,201	1,214	1,226	1,238	1,250	1,262	1,273
Total/Average				9,715	9,929	9,940	10,048	10,154	10,257	10,359	10,458	10,555	10,650
CENTRAL HIGHLANDS													
40	603	Gia Lai	Gia Lai	1,162	1,178	1,192	1,205	1,218	1,230	1,242	1,254	1,266	1,278
41	601	Kon Tum	Kon Tum	325	329	333	336	340	343	347	350	353	357
42	605	Dac Lac	Dac Lac	1,798	1,819	1,840	1,860	1,880	1,899	1,918	1,936	1,954	1,972
43	703	Lam Dong	Lam Dong	1,112	1,126	1,139	1,152	1,164	1,177	1,189	1,201	1,212	1,224
Total/Average				4,398	4,452	4,503	4,553	4,601	4,649	4,696	4,741	4,786	4,830
SOUTHEAST													
44	701	HO CHI MINH*	HO CHI MINH*	6,560	6,646	6,728	6,809	6,887	6,963	7,036	7,106	7,173	7,237
45	711	Binh Duong	Song Be	831	841	851	861	870	879	888	897	906	915
46	707	Binh Phuoc		690	698	706	714	721	729	736	743	750	757
47	709	Tay Ninh	Tay Ninh	1,137	1,150	1,163	1,176	1,188	1,200	1,212	1,224	1,235	1,246
48	713	Dong Nai	Dong Nai	2,642	2,676	2,710	2,742	2,773	2,804	2,833	2,861	2,888	2,914
49	717	Ba Ria-Vung Tau	Ba Ria-Vung Tau	939	951	963	974	985	996	1,007	1,017	1,026	1,036
Total/Average				12,799	12,967	13,127	13,275	13,425	13,571	13,712	13,848	13,979	14,105
MEKONG RIVER DELTA													
50	801	Long An	Long An	1,536	1,554	1,572	1,589	1,605	1,622	1,638	1,653	1,669	1,684
51	803	Dong Thap	Dong Thap	1,884	1,906	1,928	1,949	1,969	1,989	2,009	2,028	2,047	2,065
52	805	An Giang	An Giang	2,480	2,509	2,538	2,565	2,592	2,619	2,645	2,670	2,695	2,719
53	807	Tien Giang	Tien Giang	2,077	2,101	2,125	2,148	2,171	2,193	2,214	2,236	2,256	2,277
54	811	Ben Tre	Ben Tre	1,707	1,728	1,748	1,767	1,785	1,804	1,822	1,839	1,856	1,873
55	809	Vinh Long	Vinh Long	1,334	1,350	1,365	1,380	1,395	1,409	1,423	1,437	1,450	1,463
56	817	Tra Vinh	Tra Vinh	1,205	1,219	1,233	1,246	1,260	1,272	1,285	1,297	1,310	1,321
57	815	Can Tho	Can Tho	2,284	2,311	2,337	2,363	2,388	2,412	2,436	2,459	2,482	2,505
58	819	Soctrang	Soctrang	1,531	1,549	1,566	1,583	1,600	1,616	1,632	1,648	1,663	1,678
59	813	Kien Giang	Kien Giang	1,775	1,796	1,817	1,837	1,856	1,875	1,894	1,912	1,930	1,947
60	821	Bac Lieu	Minh Hai	956	967	978	989	999	1,009	1,019	1,029	1,039	1,048
61	823	Ca Mau		1,323	1,338	1,354	1,368	1,383	1,397	1,411	1,424	1,437	1,450
Total/Average				20,093	20,329	20,559	20,784	21,002	21,216	21,427	21,633	21,834	22,031
GRAND TOTAL/AVERAGE				93,550	94,675	95,772	96,840	97,877	98,892	99,883	100,849	101,790	102,707
Average Growth Rate				1.25%	1.20%	1.16%	1.11%	1.07%	1.04%	1.00%	0.97%	0.93%	0.90%

Main (3/3)

The data by the years 1995, 1996, 1997 from "Socio - Economic Statistical Data of 61 Provinces and Cities" book, which was published in 10/1998 by General Statistical Office.