

S.Table 9.8-1-a

Transmission Capacity in 2005 GC (Area-01)

Link	Traffic														2M	Total	STM
	AA	Amb	o	Amb	D	D	Fitch	Fitch	Ghio	Ghio	Holet	Mobi	IP	TV			
<South & East>																	
Addis Ababa	61						2										63
Mt.Furi	61						2										63
(Mt.Furi) Akaki Beseka	33																33
(Mt.Furi) Dukem	3																3
Adama West	25						2										27
(Adama West) Bijo	25						2										27
(Adama West) Debre Zeit	25												0				25
(Adama West) Dukem																	0
(Adama West) (Bijo) Gafat																	0
(Adama West) (Bijo) Mojo							2										2
(Adama West) Mojo																	0
(Adama West) Ejerer (Ajere)							2										2
(Adama West) (Bijo) Alem Tena																	0
Addis Ababa																	
Entoto																	
(Entoto) Akaki Beseka																	0
(Entoto) Debre Zeit							0										0
<North & NEast>																	
Addis Ababa	9															2	11
(Addis Ababa) Sendafa(P1)																	0
Mt.Furi	9															2	11
(Mt.Furi) Sendafa							2										2
Sheno South	9						6									2	17
(Sheno S) Sheno Town							1										1
(Sheno S) Aleltu							1										1
(Sheno S) Chacha							1										1
(Sheno S) Mendida							1										1
Ankober North	9						6									2	17
(Ankober North) Ankober (Gorebela)							1										1
(Ankober North) Debre Birhan	9						19	3								2	33
(Ankober North) Alem Amba							5									2	7
(Ankober North) Kuyesa							5									2	7
(Ankober North) Deneba (Shewa)							1										1
(Ankober North) (Kuyesa) Inewari							1										1
(Ankober North) (Kuyesa) Jubur							1										1
(Ankober North) (Kuyesa) Mehal Meda							2								2		4
(Ankober North) Debre Sina							6										6
(Ankober North) Debre Sina							2										2
(Ankober North) (Debre Sina) Armania							1										1
(Ankober North) (Debre Sina) Mezezo							1										1
(Ankober North) (Debre Sina) Molale							1										1
(Ankober North) (Debre Sina) Sala Dingay							1										1
(Ankober North) Aliyu Amba							1										1
Ambalay South																	0
<South>																	
<South West>																	
Addis Ababa	13								8							2	23
Mt.Furi	13								8							2	23
(Mt.Furi) Alem Gena									3								3
(Mt.Furi) Tulu Bolo									2								2
(Mt.Furi) Galessa																	0
(Mt.Furi) Tefki									1								1
(Mt.Furi) Teji									2								2
Welisso North	13								16							2	31
(Welisso North) Weliso Town	5								21	8							34
(Welisso North) Welkite									0								0
(Welisso North) Tolay									0								0
(Welisso North) Dillela									1								1
Welikite MW	8								4							2	14

	Welkite																	8
(Welikite MW)	Endibir																	2
(Welikite MW)	Gubro																	1
(Welikite MW)	Gunchire																	1
Fofa																		0
<West>																		
Addis Ababa																		8
Gara Menagesha		13																2
																		23
Menagesha		13																2
																		23
(G Menagesha) Menagesha																		1
(G Menagesha) Sebeta																		7
(G Menagesha) Holeta Genet		4																5
(G Menagesha) Addis Alem																		3
(G Menagesha) Ghinchi																		3
																		2
Ghinchi																		2
(Ghinchi) Asgori																		1
(Menagesha) Welenkomi																		1
Galessa		9	6															2
Wenchi		9	6															17
Ambo		9	18															2
Ambo		9	18	1														29
(Ambo) Ambo Miess Rep.																		2
Hormat																		30
(Wenchi) Kemet Gebrel																		0
																		0
(Wenchi) Kemet Gebrel																		5
																		5
(Kemet Gebrel) Inchini																		2
(Kemet Gebrel) Shino																		0
(Kemet Gebrel) Jeldu																		2
Gendeberet																		2
(Wenchi) Guder																		1
(Wenchi) Meti																		2
Tibebilo																		1
Ghedo																		1
(Tibebilo) Ijaji																		4
(Tibebilo) Shenen																		2
(Tibebilo) Babichu																		0
Gara Gordomo																		1
<North West>																		1
Addis Ababa																		4
Fitche(P1)		6																2
Kuyu		2																8
Entoto		4																2
Sululta																		8
(Entoto) Chancho																		1
Chancho																		4
(Chancho) Mukaturi																		3
Gara Guda																		1
Debre Tsige		4																7
Debre Tsige		0																5
(Debre Tsige) Debre Tsige																		1
(Debre Tsige) Fetra																		1
(Debre Tsige) Gunde Meskel (Dera)																		2
(Debre Tsige) Lemi																		2
(Gara Guda) Fitche																		1
Fitche		4																14
(Fitche) Alem Ketema																		18
(Fitche) Abmiso (Degem)		4																3
(Fitche) Debre Libanos																		2
(Gara Guda) Gebre Guracha																		2
Gebre Guracha																		0
(G. Guracha) Gohatsion																		0
(G. Guracha) Tulmelki																		1
Tik Giorgis																		1
																		0

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)									
(Ambo)	Toke			1						
(Debre Birhan)	Beke Mariam				1					
(Debre Birhan)	Ginager				1					
(Debre Birhan)	Shola Gebeya				1					
(Fitche)	Alidoro						1			
(Fitche)	Meragna						2			
(Weliso Town)	Agena								1	
(Weliso Town)	Amaya								1	
(Weliso Town)	Arbu Chululae								1	
(Weliso Town)	Arekit								1	
(Weliso Town)	Bussa								1	
(Weliso Town)	Cheza Sefer								1	
(Weliso Town)	Chitu								1	
(Weliso Town)	Mehal Amba								1	

S.Table 9.8-1-a

Transmission Capacity in 2005 GC (Area-02)

Link	Traffic											
	AA	Nazret	Nazret*	Assela	Assela*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Mt.Furi	25	6				7	4	17	14		73	2
Adama West	25	6				7	4	17	14		73	2
Nazreth	25	49				8	2	17			101	2
Nazreth	25	49	4			4	2	17			101	2
(Nazreth) Metehara(P1)											0	
(Nazreth) Assela(P1)											0	
(Adama West) Wonji		6									6	
Wonji		3									3	
Wonji Shewa		3									3	
(Adama West) Melkassa		1									1	
(Adama West) Bijo		8									8	
(Bijo) Gafat											0	
(Bijo) Mojo		8									8	
(Adama West) Melela		1									1	
Abomsa		1									1	
(Adama West) Dera(P1)											0	
(Adama West) Koka Negewo		1									1	
Mt.Kubi		12				3	2	17	14		48	1
Arerti		1									1	
(Mt.Kubi) Balchi		1									1	
(Mt.Kubi) Metehara		2									2	
(Mt.Kubi) Wolenchiti		2									2	
Awash Rep.		6				3	2	17	14		42	1
Awash Town		4									4	
(Awash Rep.) Awash North		2									2	
Kerensa		2									2	
Melka Sedi		1									1	
Melka Werer		1									1	
Dalecha											0	
Adama West(P1)		13				4					17	1
Iteya North		13		5		4					22	1
Huruta		revised									0	
(Iteya North) Diskis West				0							0	
Diskis				revised							0	
Robe				0							0	
(Robe) Robe				revised							0	
(Robe) Ticho				revised							0	
(Iteya North) Iteya				2							2	
Nazreth		-		-							0	
(Iteya North) Sire		revised									0	
(Iteya North) Dera		revised									0	
Asela		13		21		4					38	1
Asela		13		22	1	4					40	1
(Asela) Gondie				1							1	
Chebi				14							14	
Kersa				2							2	
Meraro North				12							12	
Sagure				2							2	
(Meraro N) Bekoj				4							4	
Meraro South				6							6	
Meraro				2							2	
Sebshibe Washa				4							4	

Mt.Furi(P1)		1								1
Addis Ababa		1								1
Mt.Furi		1								1
Sheno South		1								1
Ankober		1								1
	Gewane	1								1
Mt.Furi(P2)		5								5
Meki		5								5
	Meki	4								4
(Meki)	Alem Tena	1								1
Ziway West										0
Arsi Negela										0
Shashemene (P1)									1	1
	Shashemene									0
(Shashemene)	Kersa								1	1
	Kofele									0
	Sebshibe Wash(P1)			4					1	5
	Dodola			0						0
	Ardaite									0
	(Sebshibe Wash) Gobessa			2						2
	(Sebshibe Wash) Adaba								1	1
	(Sebshibe Wash) Asassa			2						2
	Gasera									0
										0
Adama West (P2)		7	5							12
(Adama West)	Sire	2								2
(Adama West)	Dera	3								3
(Adama West)	Huruta	2								2
(Adama West)	Bolo Mihale			5						5
	Choyo Abo			5						5
	Diskis			2						2
	Arsi Robe			3						3
	Robe			2						2
	Ticho			1						1
	Ticho			1						1
	Gobesa									0

*

(HOST)	(EXCHANGE)				
(Nazreth)	Boffa			1	
(Nazreth)	Bole			1	
(Nazreth)	Bulala			1	
(Nazreth)	Doni			1	
(Asela)	Ogolcho				1

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-03)

Link	Traffic																	
	AA	To Mekele	Frn Mekele	Dessie	Dessie*	Dupti	Assaita	Kemisie	Kemisie*	Woldia	Woldia*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-I
Ankober North	23		33									6	2	17			81	
Ambalay South	23		33									6	2	17		0	81	2
Shewa Robit								2									2	
(Ambalay South) Ataye (Effeson)								2									2	
(Ambalay South) Jewha								1									1	
(Ambalay South) Senbete								1									1	
Karakore MW	23		33	0				6				6	2	17		0	87	2
Kara Kore								1									1	
(Karakore MW) Kelela				1													1	
Irgofet	23		33	1				7				6	2	17		0	89	2
Tita South	23			8								6	2	17		0	56	1
Tita				1													1	
Dessie	23	4		26								6	2	17		0	78	2
Dessie	23	4		58	7							2	1	17		7	119	2
(Dessie) Adjibar (Saint)				1													1	
(Dessie) Akesta				1													1	
(Dessie) Amba Mariam				1													1	
(Dessie) Feres Bet				1													1	
(Dessie) Kabe				1													1	
(Dessie) Mekdela (Mash)				1													1	
(Dessie) Tenta				1													1	
(Dessie) Bistima				1													1	
(Dessie) Kutaber				1													1	
(Dessie) Sulula				1													1	
(Dessie) Wegel Tena				1													1	
Tossa				12								4	2	17		0	35	1
Kombolcha				7													7	
(Tossa) Korke (P1)												4	2	17		0	23	
Gara Yewel				5												0	5	
Mekane Selam (Wello)				1													1	
Wele Ilu				4												0	4	
Wele Ilu				2													2	
(Wele Ilu) Jamma (Degolo)				2													2	
(Irgofet) Chefa Robit				1													1	
(Irgofet) Harbu				1												0	1	
(Irgofet) Mekoy South				3				7									10	
Mekoy (Antsokia)				1													1	
Kemisise				2				7	2								11	
(Irgofet) Kemisise				2				0									2	
Kemisise																	0	
(Kemisise) Wegede				1													1	
Chile				1													1	
Majete				1													1	
Korke			33									4	2	17		0	56	1
Kombolcha																	0	
(Korke) Hayk				2													2	
(Korke) Degan				1													1	
(Korke) Tita South		4		17													21	1
																	0	
Woldia West (Weldia, Gebriel)		4	33	14						5		4	2	17		0	79	2
Weldia Ex				5						8	3						16	
(Weldia, Gebriel) Sirinka				1													1	
(Weldia, Gebriel) Idari Mersa				5						0						0	5	
Mertsas (Merssa)				2													2	
(Idari Mersa' Wurgesa)				1													1	
(Idari Mersa' Wuchale)				2													2	
(Weldia, Gebriel) Flakit (Mekit)				2													2	
(Weldia, Gebriel) Kon (Kon Abo)				1													1	
(Weldia, Gebriel) Lalibela										3							3	

Kobo East		4	33						5		4	2	17		0	65	2
	Kobo Town								2						0		2
(Kobo East)	Kobo Robit								1								1
(Kobo East)	Sendedo Ber								2								2
	Korem																0
	Sekota Rep.								2								2
	Sekota								2								2
(Kobo East)	Alamata																0
Maichew North		4	33														37
Dessie (P1)				9									17		3		29
Hara				9									17		3		29
Bati				9									17		3		29
	Bati Town			3													3
(Bati)	Eliwoha														1		1
Mille				6									17		2		25
	Mille Town														0		0
	Adaltu (Aditu)			1													1
Tendaho				5									17		2		24
	Tendaho (TV)												17				17
(Tendaho)	Tendaho Town			1													1
(Tendaho)	Dupti			2		4									1		7
	Logia					1											1
(Tendaho)	Semera					3											3
(Tendaho)	Assaita(P1)																0
Serdo				0		0 revised									1		1
	Serdo Town																0
(Serdo)	Detbahri					revised											0
(Serdo)	Assaita			revised		0									1		1
(Serdo)	Deceotto (Dicha Otto)					revised											0
Paradizo				0		0									0		0
	Paradizo Town			revised													0
(Paradizo)	Elidar					revised									0		0
Lofele				0													0
Musari				0													0
	Manda																0
Bure				revised													0
Serdo				2		3	3								2		10
(Serdo)	Detbahri					1											1
	Detbahri					1											1
	Assaita						3								1		4
(Serdo)	Deceotto (Dicha Otto)					1											1
Deceotto West				2		1									1		4
Paradizo Town				2		1									1		4
	Paradizo Town			1													1
(Paradizo T)	Galafi																0
Musari				1		1									1		3
	Manda																0
(Musari)	Elidar					1									1		2
Bure				1													1

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)																
(Dessie)	Arbaya					1											
(Dessie)	Betabahari					1											
(Dessie)	Weinamba					1											
(Dessie)	Chifra					1											
(Dessie)	Chefa Woledi					1											
(Dessie)	Geshen Mariam					1											
(Dessie)	Muja					1											
(Kemisse)	Rassa								2								
(Weldia Ex)	Waja																2
(Weldia Ex)	Gobyte																1

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-04)

Link	Traffic																			
	AA	to Dessie	Mekele	Mekele*	Adigrat	Adwa	Adwa*	Axum	Axum*	E/Selassie	E/Selassie*	Maichew	Maichew*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Kobo East	33	4												4	2	17			60	1
Kobo Town																			0	
(Kobo East) Kobo Robit																			0	
(Kobo East) Sendedo Ber			0									2							2	
Korem			0									2							2	
Korem												2							2	
Sekota Rep.			0																0	
Sekota																			0	
(Kobo East) Alamata												3						2	5	
Maichew North	33	4	0									5		4	2	17		2	67	2
Bolenta Giorgis			5									14							19	
Maichew Town			5									16	3						24	
(Maichew N.) Meswaet												2							2	
Adi Shehu	33	4	5									9		4	2	17		2	76	2
Adi Shehu												2							2	
Ambalagie	33	4	5									7		4	2	17		2	74	2
Dela												1							1	
Mossobo	33	4	5									6		4	2	17		2	73	2
Mekele	33	4	44											4	2	17		7	111	2
Mekele	33	4	45	2										4	2	17		7	114	2
(Mekele) Imbaradom																			0	
Hagere Selam			1																1	
(Mossobo) Imbaradom			3			1						6							10	
Adigudom			1																1	
(Imbaradom) Samre			1																1	
(Imbaradom) Hintaro			1																1	
(Imbaradom) Yechilla (Tigray)						1													1	
Adi Shehu Pass Rep.												6						2	8	
May Nebri												6						2	8	
May Nebri												1							1	
Hiwane Town												5						2	7	
Hiwane Town												2							2	
(Hiwane T.) Betmariam												2							2	
(Hiwane T.) Debub												1							1	
(Mossobo) Quiha			2																2	
(Mossobo) Adidewhy			3									0							3	
Temben Rep.			3									0							3	
Temben			3																3	
(Temben Rep. Agbie)																			0	
(Mossobo) Atebes																			0	
Inkotamba			31			1												5	37	1
Wukro					4													1	5	
(Inkotamba) Sinkata					2														2	
(Inkotamba) Negash					2														2	
(Inkotamba) Tsigereda					2														2	
(Inkotamba) Battiero					2														2	
Atsbi					2														2	
(Inkotamba) Selat			1		1														2	
Haik Mesahil					1														1	
Agulae			1																1	
(Inkotamba) Debre Birhan																			0	
Hawzen Rep.			30		13	1												4	48	1
Hawzen					2														2	
(Hawzen Rep.) Adi Ahiferom					1														1	
(Hawzen Rep.) Edaga Hamus					2														2	
Atebes			30		17	2												2	51	1
Kesharat			7		18														25	
Adigrat			7		20														27	
Fekiya Keshi North					2														2	
Tsahwa					2														2	
Zalanbessa					2														2	

(Atebes)	Gerhu Sernay					1															1				
(Atebes)	Bizet					1																1			
Adi Abeyito			23				3														2	28	1		
	Inticho						2																2		
(Adi Abeyito)	Feresmay						1																1		
Morer			23				6	0															29	1	
	Adwa						8	18	7														33	1	
(Morer)	Axum						6			3	1												10	1	
(Morer)	Adet									2														2	
(Morer)	Adi Abun									2														2	
(Morer)	Mai Kintile									1														1	
(Morer)	Maheberedegu										1													1	
(Morer)	Tabia Nebela											2												2	
	Rama											2												2	
Koyetsa				9				7	0															16	1
	Enda Selasie							9								2	1							12	1
(Koyetsa)	Shire																								0
(Koyetsa)	Wukero Maray																								0
(Koyetsa)	Adi Dairo																								1
(Koyetsa)	Adi Awala																								1
(Koyetsa)	Badme																								1
(Koyetsa)	Selekleka																								2
(Koyetsa)	Adi Dairo West											0													2
	Sheraro																2								2
Azemachi Reday																									2
Adiguna																									2
Indabaguna																									2
	Indabaguna																								2

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)																									
(Mekele)	Aynalem																									1
(Mekele)	Dengolat																									1
(Adwa)	Adi Gheburu																									2
(Adwa)	Adi Hagerai																									1
(Adwa)	Adi Nebri-Id																									1
(Adwa)	Edaga Arbi																									1
(Adwa)	Merha Senay																									1
(Adwa)	Work Amba																									1
(Axum)	Chila																									1
(Enda Selasie)	Zana																									1
(Maichew Town)	Bora																									1
(Maichew Town)	Mehoni																									2

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-05)

Link	Traffic													
	AA	D Dawa	A Teferi	Harar	Harar*	Jijiga	Jijiga*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Awash Rep.	29							3	2	17	14		65	2
Dalecha	29		0					3	2	17	14		65	2
Asebot			1										1	
(Dalecha) Mieso		1											1	
(Dalecha) Asebe Teferi Rep.		4	5									2	11	
Asebe Teferi		4	16									2	22	
(A T Rep) Mechara			1										1	
(A T Rep) Boke Tiko			1										1	
(A T Rep) Arba			2										2	
(A T Rep) Belbeliti			1										1	
(A T Rep) Debesso			1										1	
(A T Rep) Doba			1										1	
(A T Rep) Kara Kurkura			1										1	
(A T Rep) Kuni			1										1	
(A T Rep) Mecheta			1										1	
(A T Rep) Wachoo			1										1	
(Dalecha) Asebe Teferi													0	
Asebe Teferi													0	
(Dalecha) Meisso													0	
(Dalecha) Afdem													0	
(Dalecha) Muktar Terrara				4									4	
Bedessa			2										2	
Gelemso			2										2	
Ades	29	7						3	2	17	14	2	74	2
Ades													0	
Kulubi West (P1)	29	13						3	2	17	14	2	80	2
Chelenko		2										2	4	
(Kulubi West) Error		1											1	
(Kulubi West) Hurso		1											1	
(Kulubi West) Deder		revised											0	
(Kulubi West) Gara Wube		0											0	
Kobo (Harerge)		revised											0	
Gara Kufa		revised											0	
Hirna		revised											0	
Dire Dawa	29	19						3	2	17		4	74	2
Dire Dawa	29	69						3	2	17		7	127	3
(Dire Dawa) Harar(P1)													0	
(Dire Dawa) Melka Jebdu		2											2	
(Dire Dawa) Hurso		revised											0	
(Melka Jebdu) Shinile		1										1	2	
(Dire Dawa) Kersa (Harerge)		1											1	
(Dire Dawa) Langie		1											1	
Dengego		45								17		2	64	2
Alemaya				2									2	
(Dengego) Alemaya University													0	
(Dengego) Watter (Tebele)				1									1	
(Dengego) Kurfachele				1									1	
Hakim Gara		45		4						17		2	68	2
Harar		17		17	1					17			52	1
(Hakim Gara) Gursum				1									1	
(Hakim Gara) Girawa				2									2	
Girawa				1									1	
(Girawa) Bedeno				1									1	
(Hakim Gara) Kombolcha		1		2									3	
Kombolcha		1		1									2	
(Kombolcha) Ejersa Goro				1									1	

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-06)

Link	Traffic																	2M Total	STM-1				
	AA	S/mene	S/mene*	A Minch	Dilla	Dilla*	Hossaina	Hossaina*	Goba	Robe	Ziway	Sodo	Sodo*	Butajira	Awasa	Mobile	IP			TV	Intern'l	PCO	
Addis Ababa																3	2	17	3				
Mt.Furi	45															3	2	17	3			70	2
Meki	45															3	2	17	3			70	2
Ziway West	45															3	2	17	3			70	2
Ziway		6									2					1						9	
(Ziway West) Midre Kebd		2																			2	4	
Butajira		2																				2	
Butajira		2												2								4	
(Butajira) Kibet														1								1	
(Butajira) Buie														1								1	
(Ziway West) Adami Tulu		2																				2	
(Ziway West) Dalocha							1															1	
(Ziway West) Koshie							1															1	
(Ziway West) Wulbareg							1															1	
(Ziway West) Enseno										2												2	
Arsi Negela	45	10					3									4	2	17	3	2		86	2
Arsi Negela		4																				4	
(Arsi Negela) Bulbula		1																				1	
(Arsi Negela) Langano		1																				1	
Shashemene	45	16		0			3									4	2	17	3	2		92	2
Shashemene	45	101	6													3	2	17	3	18		195	4
(Shashemene) Kersa		21																		4		25	
Kofele		2																				2	
(Kersa) Korie		1																				1	
Sebshibe Wash		18																		4		22	
Dodola		4																				4	
Dodola		3																				3	
(Dodola) Herrero		1																				1	
(Sebshibe W: Ardaita)																							
(Sebshibe W: Gobessa)																							
(Sebshibe W: Adaba)		2																			2	4	
(Sebshibe W: Asassa)																							
Gasera		12																			2	14	
Gasera		1																				1	
(Gasera) Mt.Welenchiso										1												1	
Goro										1												1	
(Gasera) Agarfa		revised																				0	
Bale Goba		10								1										2		13	
Goba		4								6												10	
(Bale Goba) Agarfa Town																							
(Bale Goba) Agarfa Training Center																							
(Bale Goba) Dinsho		1																				1	
(Bale Goba) Robe		1								4	2											7	
Robe										4	2											6	
(Robe) Alli		1																				1	
Sanete		4								2	1									2		9	
Sanete																							
(Sanete) Ghinir		2								2	1									2		7	
(Ghinir) Ghinir										2												2	
Jara Jara										1												1	
Imi		2																				2	
El Kere		2																				2	
Tulu Dimtu		2								0												2	
Meslo																							
Dolomena		2																				2	
(Shashemene) Kuyera		1																				1	
(Shashemene) Amba		1																				1	
(Shashemene) Wondbasha																							
(Shashemene) Mt. Fende		13		0			3													4		20	1
Alaba Kulito							2													2		4	
Hadero							2															2	
(Mt. Fende) Shone		1																				1	
(Mt. Fende) Adjie		1																				1	
Delbo Wegene Rep.		11		0			1											17	2			31	1
Boditi																							

	Humbo Abo Rep.	11	0		1										17	2	31	1
Abaro		49	0		6										3	6	64	2
	Awassa	27							5								32	
(Abaro)	Leku			2												2	4	
(Abaro)	Hossaina	6			7												13	
	Hossaina	5			10	2											17	
	(Hossaina) Ginbichu	1															1	
	(Hossaina) Angacha				2												2	
	(Hossaina) Homecho				1												1	
(Abaro)	Aleta Wondo	0															0	
	Aleta Wondo																0	
	Chuko																	
(Abaro)	Children's Village																	
(Abaro)	Basha	1															1	
(Abaro)	Tulla	1															1	
Waragelama		14	0	2					5						3	4	28	1
	Yirgalem	5															5	
	Yirgalem	5															5	
	Leku(P1)																	
(Waragelama)	Chuko			2													2	
(Waragelama)	Aleta Wondo(P1)																	
(Waragelama)	Banko	9		11												2	22	
	Banko																	
	(Banko) Wenago			1													1	
	(Banko) Hagere Selam			1													1	
	Dilla	9		13												2	24	
	Dilla	9		16	5												30	
	(Dilla) Bule			1													1	
	(Dilla) Kebado			2													2	
(Waragelama)	Dilla																	
	Dilla																	
	Dilla																	
	Weleita Sodo																	
Kurumi			0	7					5						3	2	17	1
	Yirga Chefe			2													2	
(Kurumi)	Chelelektu			1													1	
(Kurumi)	Fisha Ghenet			1													1	
Hagere Mariam Rep.				3					5						3	2	13	1
	Hagere Mariam Town															2	2	
(H.Mariam Rep.)	Legedenbi North								5								5	
	Shakiso								2								2	
	(Legedenbi N Kibre Mengist								3								3	
	(Legedenbi N Harekello																	
	(Legedenbi N Negele Bolena																	
	(Legedenbi N Legedenbi																	
Denbela Fura				3											3		6	1
	Yabelo Rep.																	
	Yabelo																	
Tule Bera				3											3		6	1
Mega Rep.				3											3		6	1
	Mega			1													1	
Tuka				2											3		5	
	Moyale			2													2	
Marza															3		3	
Areka																	2	2
	Areka								2								2	
(Areka)	Soyama				1												1	
Zamine North Rep.					1				2								2	5
	Weleita Sodo								2								2	
	Weleita Sodo	5							2	3							10	
	(Sodo) Zefene			1														
Humbo Abo Rep. (P1)		11	0		1										17	2	31	
Birbir		6	0												17		23	
	Birbir			1													1	
(Birbir)	Ezo			1													1	
Koyite		6	2												17		25	
Bekele Mola		6	2												17		25	
	Arba Minch	6	19												17		42	
(Bekele Mola)	Lante			1													1	
(Bekele Mola)	Dorze Lake			3												0	3	
	Dorzie			1													1	

Chencha																		0	2
Haybena Mt.																		0	1
Konso																		0	1
Kurumi (P1)																			
Arba Minch West																		4	4
Arba Minch (P1)																		4	16
(Arba Minch W) Geresse																			1
Gidole																		4	15
Ghidole																			2
Karamercha																		4	13
Mindore																		2	7
Mindore																			2
(Mindore) Bulki																			1
Sawla																		2	4
Key Afer																		2	6
Jinka																		2	6
Jinka																			3
(Jinka) Gazer (Bako Gazer)																			1
Bale Goba (P1)																		1	1
All West																		1	1
Agarfa																		1	1
Selka South																			
Meliyu West																			
Gore																			

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)																			
(Shashemene) Solomo																				2
(Shashemene) Wondo (Wondo Kela)																				1
(Shashemene) Shinshicho																				2
(Shashemene) Alem Tena																				1
(Dilla) Gerba (South)																				2
(Dilla) Amarokelle																				1
(Dilla) Gedeb																				1
(Dilla) Filtu																				1
(Hossaina) Bonesha																				1
(Hossaina) Mudula																				1
(Weleita Sodo) Durame																				3

S.Table 9.8-1-a

Transmission Capacity in 2005 GC (Area-07)

Link	Traffic																2M Total	STM-1	
	AA	Nek-Jim	Jimma	Jimma*	Mettu	Mettu*	D Dollo	D Dollo*	Gambela	Nekemte	Nekemte*	Bako	Mobile	IP	TV	Intern'l			PCO
<Jimma>																			
Welisso North	23												2	1	17			43	1
Weliso Town																		0	
(Welisso North) Welkite																		0	
Tolay																		0	
Welikite MW	23												2	1	17			43	1
Welkite																		0	
Fofa	23												2	1	17			43	1
Fofa			1															1	
(Fofa) Assendabo			1															1	
(Fofa) Deneba (Keffa)			1															1	
Muja	23		3										2	1	17			46	1
Jimma	23	1	54										2	1	17			98	2
Jimma	23	1	58	3									2	1	17			105	2
(Jimma) Agaro(P1)			2															2	
Limu Kosa			2															2	
Limu Genet			2															2	
(Jimma) Dedo (Sheki)			1															1	
(Jimma) Seka			1															1	
(Muja) Ambuye			1															1	
(Muja) Atnago			1															1	
(Muja) Billida			1															1	
(Muja) Chiena			1															1	
(Muja) Choche			1															1	
(Muja) Gembie			2															2	
(Muja) Harro			1															1	
(Muja) Limu Seka			1															1	
(Muja) Omonada			1															1	
(Muja) Serbo			1															1	
(Muja) Shay			1															1	
(Muja) Tobba			1															1	
(Muja) Yebu			1															1	
Sembo West			14															14	1
Gimbo			2															2	
Gimbo			1															1	
Bonga			1															1	
(Sembo W) Shebie			1															1	
Shebita			11															11	
Walla			11															11	
Mizan Teferi			7															7	
Mizan Teferi			5															5	
Aman			2															2	
(Walla) Majji (Tem)			1															1	
Tepi			3															3	
Muja(P1)		1	23															24	1
Dembi North		1	23															24	1
Dembi																		0	
(Dembi North) Agaro			4															4	
(Dembi North) Beshasha			1															1	
(Dembi North) Gatera			1															1	
(Dembi North) Sigo (Sigamo)			1															1	
Arjo MW		1	16														8	25	1
Chora			14														8	22	1
Chora				1														1	
(Chora) Bedele			1															1	
Gore Rep.			13		1												8	22	1
Gore					3													3	
(Gore Rep.) Mettu			6		15	4											4	29	1
(Gore Rep.) Hurumu					1													1	
(Gore Rep.) Yayu					2													2	
(Gore Rep.) Masha			2															2	

(Gore Rep.)	Algie				1													1	
(Gore Rep.)	Dega				1													1	
(Gore Rep.)	Noppa				1													1	
(Gore Rep.)	Supe				1													1	
Awete			5		4												4	13	
	Bure (Illubabour)				1													1	
Gara Humbi			5		3												4	12	
	Dembi Dollo		5															5	
(Gara Humbi)	Gambela																	0	
Shebel South					3												4	7	
	Abobo								1									1	
Gambela					3				1								4	8	
	Gambela				3				2								2	7	
(Gambela)	Itang								1								2	3	
	Wategch Rep.								1									1	
	Jikawo								1									1	
<Nekemte>																			
Tibebilo		11											1	1	17			30	1
	Gedo								2									2	
(Tibebilo)	Ijaji																	0	
(Tibebilo)	Bako								3	4								7	
(Tibebilo)	Fincha								3									3	
(Tibebilo)	Shambu												2					2	
(Tibebilo)	Arjo MW																	0	
(Tibebilo)	Kara Legashi																	0	
	Sugar Factory																	0	
Gara Gordomo		11							8	2	1	1	17					40	1
	Sira (Sire Wellega)												2					2	
(Gara Gordomo)	Gida Ayana								1									1	
Nekemte		11							9		1	1	17					39	1
	Nekemte	11	1						34	5	1	1	17	14				84	2
(Nekemte)	Ghera (Gelila)			2														2	
(Nekemte)	Guyi								1									1	
(Nekemte)	Ayna South																		
	Ayna																		
Arjo MW			1	2					24								12	39	1
	Arjo Town								1									1	
(Arjo MW)	Getema								1									1	
(Arjo MW)	Arjo Gudetu								1									1	
Ventiotto (Gimbi-Entoto)									21								4	25	1
	Gimbi								5									5	
(Ventiotto)	Inango								2									2	
Billa South									14								4	18	1
	Billa Town								1									1	
(Billa South)	Guliso								2									2	
(Billa South)	Nejo								3									3	
(Billa South)	Jarso								1									1	
Mendi									5								4	9	
	Mendi								2									2	
Assossa									3								4	7	
	Assossa								3								4	7	
Billa South (P1)									2									2	
Gara Kucho									2									2	
	Alem Teferi								1									1	
(Gara Kucho)	Yubdo								1									1	
Chanka																		0	
	Chanka								1									1	
(Chanka)	Gidame								1									1	
(Chanka)	Kakie								2									2	
Mojo West									4									4	
Dembi Dolo									4									4	
	Dembi Dolo								8	1								9	
(Dembi Dolo)	Rob Gebeya								1									1	
Rep.1									3									3	
	Ashu								1									1	
Rep.2									2									2	
Muggi									2									2	

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)												
(Jimma)	Babu			1									
(Jimma)	Dimtu			1									
(Jimma)	Shinshida			1									
(Mettu)	Becho				1								
(Mettu)	Darimu (Dipa)				1								
(Mettu)	Fogleka (Leka)				1								
(Mettu)	Ouka				1								
(Dembi Dolo)	Lalokile (Lolo)						1						
(Nekemte)	Dongoro											1	
(Nekemte)	Gutin											1	
(Nekemte)	Homma											1	
(Nekemte)	Nole Kaba											1	
(Nekemte)	Werejiru											1	

S.Table 9.8-1-a

Transmission Capacity in 2005 GC (Area-08)

Link	Traffic											2M Total	STM-1				
	AA	B Dar	B Dar*	Dangla	Dangla*	D Markos	D Markos*	D Tabor	Gondar	Gondar*	Mobile			IP	TV	Intern'l	PCO
Tik Giorgis	27										5	3	17	2	2	56	1
Dejen						2									0	2	
(Tik Giorgis) Bichena						2										2	
(Tik Giorgis) Aba Falassie						3									2	5	
Aba Falassie																0	
(Aba Falassie) Felege Birhan						1										1	
Debre Work						2									2	4	
(Tik Giorgis) Kuyi						1										1	
Robit	27					8					5	3	17	2	2	64	2
Robit																0	
Debre Markos	27					8					5	3	17	2	2	64	2
Debre Markos		13				32	2								0	47	1
(Debre Markos) Gemjabet Mariam						1										1	
(Debre Markos) Engibara(Kosso Ber)(P1)																0	
(Debre Markos) Lumane						1										1	
(Debre Markos) Yejube						1										1	
Amanuel North	27	13				21					5	3	17	2	2	90	2
Amanuel						1									0	1	
(Amanuel North) Dembecha						5										5	
Dembecha						3										3	
(Dembecha) Jiga						2										2	
Gara Jobel	27	13				15					5	3	17	2	2	84	2
Bure						3									0	3	
(Gara Jobel) Finote Selam						4									0	4	
Gara Beteria	27	13				8					5	3	17	2	4	79	2
Kosober (Injibara)						3										3	
(Gara Beteria) Gara Kar				0											2	7	
Chagni		5													2	5	
(Gara Kar) Gilgel Beles		3													2	0	
(Gara Kar) Pawe		2													0	2	
(Gara Kar) Metekel																0	
(Gara Kar) Alemu Town																0	
(Gara Beteria) Kessa				1												1	
Merawi North	27	18		1		5					5	3	17	2	6	84	2
Merawi		2													2	4	
(Merawi North) Dangla		5		2											0	7	
Dangla		5		4	3											12	
(Dangla) Abechekli (Durbete)				1												1	
(Dangla) Addis Kidame				1												1	
(Merawi North) Adet North		6													0	6	
Adet		4													0	4	
Tis Abay		2														2	
(Merawi North) Debre Mewi (Adet North)						5										5	
Motta						5										5	
(Merawi North) Gilgel Abay (Wetet)				1												1	
(Merawi North) Hamsuit East (P1)		1														1	
Hamsuit									1							1	
(Hamsuit East) Ambassame (Dera)		1														1	
Addis Zemen (P1)																0	
Bahir Dar	27	32									5	3	17	2	14	100	2
Bahir Dar	27	75	1								5	3	17		14	142	3
(Bahir Dar) Debre Work																0	
(Bahir Dar) Meketel																0	
(Bahir Dar) Kunzla		1														1	
(Bahir Dar) Meshenti		1														1	
Wash Indrias		41									5		17	2	8	73	2
Debre Tabor		7						2							2	11	
(Wash Indrias) Woreta		4													0	4	
Wereta		2														2	
Addis Zemen		2													0	2	

(Wash Indrias) Debre Tabor Rep.		2						2	1					2	7
	Ibnet	1												0	1
(Debre Tabor Rep.)	Hudad													2	2
	Iste													2	2
(Debre Tabor Rep.)	Arga	1						2						0	3
	Nefas Mewcha	1						2						0	3
	N Mewcha							2							2
	(N Mewcha)	Semada	1												1
(Debre Tabor Rep.)	Hamsuit East								1						1
Gomita		28						1			17	2	4	52	1
Gondar		28						1		5	17	2	4	57	1
	Gondar	28						25	4	5	17	2	0	81	2
Subnaber								2							2
	Azezo							2							2
Gondar (P1)								22				2	4	28	1
Girgi North								22				2	4	28	1
Ambezo								8						0	8
	Gedebghie							1							1
Dabat West								7						0	7
	Amba Giorgis							1						0	1
(Dabat West)	Tekil Dingay							1						0	1
Wekin								5						0	5
	Wekin													0	0
(Wekin)	Dabat							2						0	2
(Wekin)	Debark							3						0	3
Shehazel														0	0
Adi Arkay														0	0
May Tsemri														0	0
Adiguna														0	0
	Adiguna														0
(Adiguna)	Indabaguna														0
Azemach Reday															0
Koyetsa															0
Girgi North (P1)								14				2	4	20	1
	Delgi							2						2	4
(Girgi North)	Goagora							1							1
(Girgi North)	Fendiba							4						2	6
															2
	Kola Diba							2						2	4
(Fendiba)	Infrac							1							1
	Chewahit							1							1
(Girgi North)	Maksegt							1							1
(Girgi North)	Ambezo Rep.														0
Chilga								6				2	0	8	1
	Chilga							2						0	2
Sebatu Terrara								4				2	0	6	1
	Serba							1							1
Shendi South								3				2	0	5	1
	Shendi							2							2
Mandefro Terara								1				2	0	3	1
	Metema							1						0	1
Dollar Hill												2		2	1

* The exchange which location is not found. Details of exchanges are follows.

(HOST)	(EXCHANGE)														
(Bahir Dar)	M/Lemariam			1											
(Dangla)	Masnkusa				1										
(Dangla)	Tilile				2										
(Debre Markos)	Yechereka					1									
(Debre Markos)	Yitmen					1									
(Gondar)	Shawra													1	
(Gondar)	Stei													2	
(Gondar)	Teda													1	

Supplement to S.Table 9.8-1

In the tables of Chapter 8.8.1, 2 and 5 the microwave links are indicated in a format of table for convenience of calculation though the links have two dimensions.

It might be difficult for readers to find an actual configuration of link in the tables as it is too simplified.

This paper describes how to read the link configuration showing some examples.

Rule 1.	If the row has one station, the figures in the right-side columns of the row shows the data of the link between the station of the row and the station of the same column in the one upper row.
Rule 2.	If the station of the same column does not exist in the one upper column in Rule 1, the figures of the row shows the data of the link between the station of the row and the station of the one left column in the one upper row.
Rule 3.	If the station of either the same column or the one left column does not exist in the upper row in Rule 1 and 2, the figures of the row shows the data of the link between the station of the row and the station of the same column in the closest upper row.
Rule 4.	In case of the first row which has one station, the figures of the row shows the data of total capacity dropped into the station.
Rule 5.	If the row has two stations, the figures in the right-side columns of the row shows the data of the link between the two stations of the row.
Rule 6.	If the stations are same in Rule 2, the figures in the right-side columns of the row shows the data of total capacity dropped into the station.

Example 1

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-01)

Link	AA	Ambo		2M Total	STM-1
<South & East>					
1 Addis Ababa	61			63	
2 Mt.Furi	61			63	
3 Akaki Beseka	33			33	
4 Dukem	3			3	
5 Adama West	25			27	
6 (Adama West) Bijo	25			27	
7 Debre Zeit	25			25	

How to read:

Line 1	Rule 4	There is no link.	Figure shows the transmission capacity Addis Ababa receives from the link with Mt.Furi.
Line 2	Rule 1	Link of Addis Ababa-Mt.Furi	
Line 3	Rule 2	Link of Mt.Furi-Akaki Beseka	
Line 4	Rule 1	Link of Akaki Beseka-Dukem	
Line 5	Rule 3	Link of Mt.Furi-Adama West	
Line 6	Rule 5	Link of Adama West-Bijo	
Line 7	Rule 2	Link of Bijo-Debre Zeit	

Example 2

S.Table 9.8-1-a Transmission Capacity in 2005 GC (Area-01)

Link	AA	Ambo	D Birhan	2M Total	STM-1
<North & NEast>					
7 (Ankober North) Debre Sina			6	6	
Debre Sina			2	2	
(Debre Sina) Armania			1	1	
(Debre Sina) Mezezo			1	1	
(Debre Sina) Molale			1	1	
(Debre Sina) Sala Dingay			1	1	
(Ankober North) Gewane			0	0	
(Ankober North) Aliyu Amba			1	1	
Ambalay South					

How to read:

Line 7	Rule 6	There is no link.	Figure shows the transmission capacity Debre Sina receives from the links with Ankober North, Armania, Mezezo, Molale and Sala Dingay.
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