

S.Table 9.8-1-b Transmission Capacity in 2010 GC (Area-01)

Link	Traffic														2M Total	STM-1
	AA	Ambo	Ambo*	D Birhan	D Birhan*	Fitche	Fitche*	Ghion	Ghion*	Holeta	Mobile	IP	TV	Intern'l		
<South & East>																
Addis Ababa	15					1									0	16
Mt.Furi	15					1									0	16
Akaki Beseka	8														0	8
(Mt.Furi) Dukem	1															1
Adama West	6					1										7
(Adama West) Bijo	6					1										7
Debre Zeit	6															6
Dukem																0
(Bijo) Gafat																0
(Bijo) Mojo						1										1
Mojo																0
Ejerer (Ajere)						1										1
(Bijo) Alem Tena																0
Addis Ababa																
Entoto																
Akaki Beseka															0	0
(Entoto) Debre Zeit						0										0
<North & NEast>																
Addis Ababa	2														4	6
Sendafa(P1)																0
Mt.Furi	2														4	6
Sendafa					1											1
Sheno South	2			5											4	11
Sheno Town				1											0	1
(Sheno S) Aleltu				1												1
(Sheno S) Chacha				1												1
(Sheno S) Mendida				1												1
Ankober North	2			5											4	11
Ankober (Gorebela)				1												1
(Ankober North) Debre Birhan	2			16	3										4	25
Alem Amba				4											2	6
Kuyesa				4											2	6
Deneba (Shewa)				1												1
(Kuyesa) Inewari				1											0	1
(Kuyesa) Jubur				1												1
(Kuyesa) Mehal Meda				1											2	3
(Ankober North) Debre Sina				5											0	5
Debre Sina				1												1
(Debre Sina) Armania				1												1
(Debre Sina) Mezezo				1												1
(Debre Sina) Molale				1												1
(Debre Sina) Sala Dingay				1												1
(Ankober North) Aliyu Amba				1												1
Ambalay South																0
<South>																
<South West>																
Addis Ababa	3							3							2	8
Mt.Furi	3							3							2	8
Alem Gena								1								1
(Mt.Furi) Tulu Bolo								1							0	1
(Mt.Furi) Galessa																0
(Mt.Furi) Tefki								1								1
(Mt.Furi) Teji								1								1
Welisso North	3							7							2	12
Weliso Town	1							11	8						0	20

(Welisso North) Welkite												0							0
Tolay												0							0
(Welisso North) Dillela												1							1
Welikite MW	2											3						2	7
Welkite	2																		2
(Welikite MW) Endibir												1							1
(Welikite MW) Gubro												1							1
(Welikite MW) Gunchire												1							1
Fofa																			0
<West>																			
Addis Ababa	3											3						12	18
Gara Menagesha	3											3						12	18
Menagesha												1							1
(G Menagesha) Sebeta												2							2
(G Menagesha) Holeta Genet												1						1	2
(G Menagesha) Addis Alem												1							1
(G Menagesha) Ghinchi												1						2	4
Ghinchi												1							1
(Ghinchi) Asgori												1							1
(Menagesha) Welenkomi																		1	1
Galessa	2	3																10	15
Wenchi	2	3																10	15
Ambo	2	11																2	15
(Ambo) Ambo	2	11	1															2	16
(Ambo) Ambo Miess Rep.																			0
Horat																			0
(Wenchi) Kemet Gebrel												3						6	9
Inchini												1							1
(Kemet Gebrel) Shino																			0
(Kemet Gebrel) Jeldu												1						6	7
Gendeberet												1						4	5
(Wenchi) Guder												1							1
(Wenchi) Meti												1							1
Tibebilo												3						2	5
Ghedo												1							1
(Tibebilo) Ijaji																		2	2
(Tibebilo) Shenen												1							1
(Tibebilo) Babichu												1							1
Gara Gordomo																			0
<North West>																			
Addis Ababa	2																	6	8
Fitche(P1)	1																	0	1
Kuyu	1																		1
Entoto	1											1						6	8
Sululta												1						2	3
(Entoto) Chancho												2							2
Chancho												1							1
(Chancho) Mukaturi												1							1
Gara Guda	1											4						4	9
Debre Tsige	0											4							4
Debre Tsige												1							1
(Debre Tsige) Fetra												1							1
(Debre Tsige) Gunde Meskel (Dera)												1							1
(Debre Tsige) Lemi												1							1
(Gara Guda) Fitche	1											10						2	13
Fitche	1											13	2						16
(Fitche) Alem Ketema												1						2	3
(Fitche) Abmiso (Degem)												1							1
(Fitche) Debre Libanos												1							1
(Gara Guda) Gebre Guracha												2						2	4
Gebre Guracha																			0
(G. Guracha) Gohatsion												1							1
(G. Guracha) Tulmelki												1							1
Tik Giorgis																			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						
(Fitcha)	Alidoro						1				
(Fitcha)	Meragna						1				
(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-b

Transmission Capacity in 2010 GC (Area-02)

Link	Traffic											
	AA	Nazret	Nazret*	Assela	Assela*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Mt.Furi	36	3				10	5	17	18		89	2
Adama West	36	3				10	5	17	18		89	2
Nazreth	36	24				10	3	17		5	95	2
Nazreth	36	24	4			5	3	17		5	94	2
(Nazreth) Metehara(P1)											0	
(Nazreth) Assela(P1)											0	
(Adama West) Wonji		2									2	
Wonji		1									1	
Wonji Shewa		1									1	
(Adama West) Melkassa		1									1	
(Adama West) Bijo		2									2	
(Bijo) Gafat											0	
(Bijo) Mojo		2									2	
(Adama West) Melela		1									1	
Abomsa		1									1	
(Adama West) Dera(P1)											0	
(Adama West) Koka Negewo		1									1	
Mt.Kubi		7				5	2	17	18	5	54	1
Arerti		1									1	
(Mt.Kubi) Balchi		1									1	
(Mt.Kubi) Metehara		1									1	
(Mt.Kubi) Wolenchiti		1									1	
Awash Rep.		3				5	2	17	18	5	50	1
Awash Town		1								2	3	
(Awash Rep.) Awash North		2									2	
Kerensa		2									2	
Melka Sedi		1									1	
Melka Werer		1									1	
Dalecha											0	
Adama West(P1)		4				5					9	1
Iteya North		4		3		5				2	14	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				1							1	
Nazreth		-									0	
(Iteya North) Sire		revised									0	
(Iteya North) Dera		revised									0	
Asela		4		10		5				2	21	1
Asela		4		11	1	5					21	1
(Asela) Gondie				1							1	
Chebi				6						2	8	
Kersa				1							1	
Meraro North				5						2	7	
Sagure				1							1	
(Meraro N) Bekoj				1							1	
Meraro South				3						2	5	
Meraro				1							1	
Sebshibe Washa				2						2	4	

Mt.Furi(P1)			1							1	2
Addis Ababa			1							1	2
Mt.Furi			1							1	2
Sheno South			1							1	2
Ankober			1							1	2
	Gewane		1							1	2
Mt.Furi(P2)			2							1	3
Meki			2							1	3
	Meki		1								1
(Meki)	Alem Tena		1								1
Ziway West										1	1
Arsi Negela										1	1
Shashemene (P1)										4	4
	Shashemene										0
(Shashemene)	Kersa									3	3
	Kofele										0
	Sebshibe Wash(P1)				2					3	5
	Dodola				0						0
	Ardaita										0
	(Sebshibe Wash) Gobessa				1						1
	(Sebshibe Wash) Adaba								1		1
	(Sebshibe Wash) Asassa				1						1
	Gasera										0
											0
Adama West (P2)			3		3						6
(Adama West)	Sire		1								1
(Adama West)	Dera		1								1
(Adama West)	Huruta		1								1
(Adama West)	Bolo Mihale				3						3
	Choyo Abo				3						3
	Diskis				1						1
	Arsi Robe				2						2
	Robe				1						1
	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-b Transmission Capacity in 2010 GC (Area-03)

Link	Traffic														2M Total	STM-1		
	AA	To Mekele	Fm Mekele	Dessie	Dessie*	Dupti	Assalta	Kemisie	Kemisie*	Woldia	Woldia*	Mobile	IP	TV			Intern'l	PCO
Ankober North	26		42									11	5	17			101	
Ambalay South	26		42									11	5	17			101	2
Shewa Robit								1									1	
(Ambalay South) Ataye (Effeson)								1									1	
(Ambalay South) Jewha								1									1	
(Ambalay South) Senbete								1									1	
Karakore MW	26		42	0				4				11	5	17			105	2
Kara Kore								1									1	
(Karakore MW) Kelela				1													1	
Irgofet	26		42	1				5				11	5	17			107	2
Tita South	26			7								11	5	17		6	72	2
Tita				1													1	
Dessie	26	4		18								11	5	17		6	87	2
Dessie	26	4		40	7							5	2	17		23	124	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				5								6	3	17		4	35	1
Kombolcha				2													2	
(Tossa) Korke (P1)												6	3	17		4	30	
Gara Yewel				3													3	
Mekane Selam (Wello)				1													1	
Wele Ilu				2													2	
Wele Ilu				1													1	
(Wele Ilu) Jamma (Degolo)				1													1	
(Irgofet) Chefa Robit				1													1	
(Irgofet) Harbu				1												2	3	
(Irgofet) Mekoy South				2				5									7	
Mekoy (Antsokia)				1													1	
Kemisse				1				5	1								7	
(Irgofet) Kemisse				2				0									2	
Kemisse																	0	
(Kemisse) Wegede				1													1	
Chile				1													1	
Majete				1													1	
Korke			42									6	3	17		4	72	2
Kombolcha																	0	
(Korke) Hayk				1													1	
(Korke) Degan				1													1	
(Korke) Tita South			4	10													14	1
(Weldia, Gebriel) Sirinka																	1	
(Weldia, Gebriel) Idari Mersa				3						0						2	5	
Mertsa (Merssa)				1													1	
(Idari Mersa) Wurgesa				1													1	
(Idari Mersa) Wuchale				1													1	
(Weldia, Gebriel) Flakit (Mekit)				1													1	
(Weldia, Gebriel) Kon (Kon Abo)				1													1	
(Weldia, Gebriel) Lalibela										1							1	
Kobo East		4	42								3	6	3	17		2	77	2

	Kobo Town																		2	3	
(Kobo East)	Kobo Robit																			1	
(Kobo East)	Senedo Ber																			1	
	Korem																			0	
	Sekota Rep.																			1	
	Sekota																			1	
(Kobo East)	Alamata																			0	
Maichew North			4	42																46	
Dessie (P1)				6															17	5	28
Hara				6															17	5	28
Bati				6															17	5	28
	Bati Town			1																	1
(Bati)	Eliwoha																			1	1
Mille				5															17	4	26
	Mille Town																			1	1
	Adaltu (Aditu)																			1	1
Tendaho				4															17	3	24
	Tendaho (TV)																		17		17
(Tendaho)	Tendaho Town			1																	1
(Tendaho)	Dupti			1		4														1	6
	Logia																				1
(Tendaho)	Semera																				1
(Tendaho)	Assaita(P1)																				0
Serdo				0		0	revised													2	2
	Serdo Town																				0
(Serdo)	Detbahri						revised														0
(Serdo)	Assaita					revised		0												1	1
(Serdo)	Deceotto (Dicha Otto)						revised														0
Paradizo				0		0														1	1
	Paradizo Town					revised															0
(Paradizo)	Elidar						revised													1	1
Lofele				0																	0
Musari				0																	0
	Manda																				0
Bure				revised																	0
Serdo				2		3	1													2	8
(Serdo)	Detbahri						1														1
	Detbahri						1														1
	Assaita							1												1	2
(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																				1
(Weldia Ex)	Waja																				1
(Weldia Ex)	Gobyte																				1

S.Table 9.8-1-b Transmission Capacity in 2010 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	42	4												6	3	17			72	2
Kobo Town																			0	
(Kobo East) Kobo Robit																			0	
(Kobo East) Sendedo Ber			0								1								1	
Korem			0								1								1	
Korem											1								1	
Sekota Rep.			0																0	
Sekota																			0	
(Kobo East) Alamata											1							4	5	
Maichew North	42	4	0								2			6	3	17		4	78	2
Bolenta Giorgis			1								8								9	
Maichew Town			1								9	2							12	
(Maichew N.) Meswaet											1								1	
Adi Shehu	42	4	1								6			6	3	17		4	83	2
Adi Shehu											1								1	
Ambalagie	42	4	1								5			6	3	17		4	82	2
Dela											1								1	
Mossobo	42	4	1								4			6	3	17		4	81	2
Mekele	42	4	15											6	3	17		26	113	2
Mekele	42	4	16	1										6	3	17		28	117	2
(Mekele) Imbaradom																			0	
Hagere Selam			1																1	
(Mossobo) Imbaradom			2			1					4							5	12	
Adigudom			1																1	
(Imbaradom) Samre			1																1	
(Imbaradom) Hintaro			0																0	
(Imbaradom) Yechilla (Tigray)						1													1	
Adi Shehu Pass Rep.											4							3	7	
May Nebri											4							3	7	
May Nebri											1								1	
Hiwane Town											3							3	6	
Hiwane Town											1								1	
(Hiwane T.) Betmariam											1								1	
(Hiwane T.) Debub											1								1	
(Mossobo) Quiha			1																1	
(Mossobo) Adidewhy			1								0							2	3	
Temben Rep.			1								0							2	3	
Temben			1																1	
(Temben Rep. Agbie)																			0	
(Mossobo) Atebes																			0	
Inkotamba			10			1												15	26	1
Wukro					1													3	4	
(Inkotamba) Sinkata					1														1	
(Inkotamba) Negash					1														1	
(Inkotamba) Tsigereda					1														1	
(Inkotamba) Battiero					1														1	
Atsbi					1														1	
(Inkotamba) Selat			1		1														2	
Haik Mesahil					1														1	
Agulae			1																1	
(Inkotamba) Debre Birhan																			0	
Hawzen Rep.			9		6	1												12	28	1
Hawzen					1														1	
(Hawzen Rep.) Adi Ahiferom					1														1	
(Hawzen Rep.) Edaga Hamus					1														1	
Atebes			9		8	2												10	29	1
Kesharat			2		9													2	13	
Adigrat			2		10													2	14	
Fekiya Keshi North					1														1	
Tsahwa					1														1	
Zalanbessa					1														1	

(Atebes)	Gerhu Sernay				0								0
(Atebes)	Bizet				1								1
Adi Abeyito			7		2								8 17 1
	Inticho				1								0 1
(Adi Abeyito)	Feresmay				1								1
Morer			7		4	0							6 17 1
	Adwa		2		12	4							18 1
(Morer)	Axum		2				2	1					0 5 1
(Morer)	Adet						1						1
(Morer)	Adi Abun				1								1
(Morer)	Mai Kintile				1								1
(Morer)	Maheberedegu						1						1
(Morer)	Tabia Nebela				1								1
	Rama				1								1
Koyetsa			3		5	0							4 12 1
	Enda Selasie		3						1	1			5 1
(Koyetsa)	Shire												0 0
(Koyetsa)	Wukero Maray												0
(Koyetsa)	Adi Dairo				1								0 1
(Koyetsa)	Adi Awala				1								1
(Koyetsa)	Badme				1								1
(Koyetsa)	Selekleka				1								1
(Koyetsa)	Adi Dairo West				0			1					2 3
	Sheraro							1					2 3
Azemachi Reday					1								2 3
Adiguna					1								2 3
Indabaguna					1								2 3
	Indabaguna				1								2 3

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

(HOST)	(EXCHANGE)												
(Mekele)	Aynalem				1								
(Mekele)	Dengolat				0								
(Adwa)	Adi Gheburu						1						
(Adwa)	Adi Hagerai						1						
(Adwa)	Adi Nebri-Id						1						
(Adwa)	Edaga Arbi						0						
(Adwa)	Merha Senay						1						
(Adwa)	Work Amba						0						
(Axum)	Chila								1				
(Enda Selasie)	Zana										1		
(Maichew Town)	Bora												1
(Maichew Town)	Mehoni												1

S.Table 9.8-1-b Transmission Capacity in 2010 GC (Area-05)

Link	Traffic											2M Total	STM-1	
	AA	D Dawa	A Teferi	Harar	Harar*	Jjiga	Jjiga*	Mobile	IP	TV	Intern'l			PCO
Awash Rep.	36		0					5	2	17	18		78	2
Dalecha	36							5	2	17	18		78	2
Asebot			1										1	
(Dalecha) Mieso		1											1	
(Dalecha) Asebe Teferi Rep.		1	3									2	6	
Asebe Teferi		1	13									2	16	
(A T Rep) Mechara			1										1	
(A T Rep) Boke Tiko			1										1	
(A T Rep) Arba			1										1	
(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				2									2	
Bedessa			1										1	
Gelemso			1										1	
Ades	36	3						5	2	17	18	2	83	2
Ades													0	
Kulubi West (P1)	36	7						5	2	17	18	2	87	2
Chelenko		1										2	3	
(Kulubi West) Errer		1										1	2	
(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	36	12						5	2	17		7	79	2
Dire Dawa	36	32						5	2	17		17	109	2
(Dire Dawa) Harar(P1)													0	
(Dire Dawa) Melka Jebdu		1											1	
(Dire Dawa) Hurso		revised											0	
(Melka Jebdu) Shinile		1										1	2	
(Dire Dawa) Kersa (Harerge)		1											1	
(Dire Dawa) Langie		1											1	
Dengego		16								17		9	42	1
Alemaya				1								2	3	
(Dengego) Alemaya University													0	
(Dengego) Watter (Tebele)				1									1	
(Dengego) Kurfachele				1									1	
Hakim Gara		16	3							17		7	43	1
Harar		5	14	1						17		2	39	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-b Transmission Capacity in 2010 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																							
Mt.Furi	50															6	3	17	3			79	2
Meki	50															6	3	17	3			79	2
Ziway West	50															6	3	17	3			79	2
Ziway		2								1						1						4	
(Ziway West) Midre Kebd		1																		2		3	
Butajira		1																				1	
Butajira		1												2								3	
(Butajira) Kibet													1									1	
(Butajira) Buie													1									1	
(Ziway West) Adami Tulu		1																				1	
(Ziway West) Dalocha							1															1	
(Ziway West) Koshie							1															1	
(Ziway West) Wulbareg							1															1	
(Ziway West) Enseno										1												1	
Arsi Negela	50	4					3									7	3	17	3	2		89	2
Arsi Negela		1																				1	
(Arsi Negela) Bulbula		1																				1	
(Arsi Negela) Langanano		1																				1	
Shashemene	50	7		0			3									7	3	17	3	3		93	2
Shashemene	50	43	4													6	3	17	3	51		177	3
(Shashemene) Kersa		12																		8		20	
Kofele		1																		2		3	
(Kersa) Korie		1																				1	
Sebshibe Wash		10																		6		16	
Dodola		2																				2	
Dodola		1																				1	
(Dodola) Herrero		1																				1	
(Sebshibe W: Ardaita)																							
(Sebshibe W: Gobessa)																							
(Sebshibe W: Adaba)		1																		2		3	
(Sebshibe W: Asassa)																							
Gasera		7																		4		11	
Gasera		1																				1	
(Gasera) Mt.Welenchiso										1												1	
Goro										1												1	
(Gasera) Agarfa		revised																				0	
Bale Goba		5								1										4		10	
Goba		1								2										2		5	
(Bale Goba) Agarfa Town																							
(Bale Goba) Agarfa Training Center																							
(Bale Goba) Dinsho		1																				1	
(Bale Goba) Robe		1								1	2											4	
Robe										1	2											3	
(Robe) Alli		1																				1	
Sanete		2								1	1									2		6	
Sanete																							
(Sanete) Ghinir		1								1	1									2		5	
(Ghinir) Ghinir										1												1	
Jara Jara										1												1	
Imi		1																				1	
El Kere		1																				1	
Tulu Dimtu		1								0												1	
Meslo																							
Dolomena		1																				1	
(Shashemene) Kuyera		1																				1	
(Shashemene) Amba		1																				1	
(Shashemene) Wondbasha																							
(Shashemene) Mt. Fende		6		0			2													16		24	1
Alaba Kulito							1													4		5	
Hadero							1															1	

(Mt. Fende) Shone	1																		1
(Mt. Fende) Adjie	1																		1
Delbo Wegene Rep.	4	0		1											17	12	34	1	
Boditi																			
Humbo Abo Rep.	4	0		1											17	12	34	1	
Abaro	16	0		5												3	22	46	1
Awassa	8										2						2	12	
(Abaro) Leku				1													2	3	
(Abaro) Hossaina	3			6														9	
Hossaina	2			8	2													12	
(Hossaina) Ginbichu	1																	1	
(Hossaina) Angacha				1														1	
(Hossaina) Homecho				1														1	
(Abaro) Aleta Wondo	0																4	4	
Aleta Wondo																	4	4	
Chuko																			
(Abaro) Children's Village																			
(Abaro) Basha	1																	1	
(Abaro) Tulla	1																	1	
Waragelama	3	0	1								2					3	14	23	1
Yirgalem	1																	1	
Yirgalem	1																	1	
Leku(P1)																			
(Waragelama) Chuko				1														1	
(Waragelama) Aleta Wondo(P1)																			
(Waragelama) Banko	2			7													4	13	
Banko																			
(Banko) Wenago				1														1	
(Banko) Hagere Selam				1														1	
Dilla	2			9												2	13		
Dilla	2			11	4													17	
(Dilla) Bule				1														1	
(Dilla) Kebado				1														1	
(Waragelama) Dilla																			
Dilla																			
Dilla																			
Weleita Sodo																			
Kurumi		0	5								2				3	6	16	1	
Yirga Chefe				1												2	3		
(Kurumi) Chelektu				1													1		
(Kurumi) Fisha Ghenet				1													1		
Hagere Mariam Rep.			2								2				3	4	11	1	
Hagere Mariam Town																2	2		
(H.Mariam Rep.) Legedenbi North											2						2		
Shakiso											1						1		
(Legedenbi N Kibre Mengist											1						1		
(Legedenbi N Harekello																			
(Legedenbi N Negele Bolena																			
(Legedenbi N Legedenbi																			
Denbela Fura			2												3	2	7	1	
Yabelo Rep.																			
Yabelo																			
Tule Bera			2												3	2	7	1	
Mega Rep.			2												3	2	7	1	
Mega			1														1		
Tuka			1												3	2	6		
Moyale			1													2	3		
Marza															3		3		
Areka																2	2		
Areka											1						1		
(Areka) Soyama											1						1		
Zamine North Rep.				1							1						4	6	
Weleita Sodo											1					2	3		
Weleita Sodo	2										1	1					4		
(Sodo) Zefene			0																
Humbo Abo Rep. (P1)	4	0		1											17	10	32		

Birbir		2	0																17	6	25
	Birbir		1																		1
(Birbir)	Ezo		1																		1
Koyite		2	2																17	6	27
Bekele Mola		2	2																17	6	27
	Arba Minch	2	13																17	6	38
(Bekele Mola)	Lante		1																		1
(Bekele Mola)	Dorze Lake		2																		2
	Dorzie		1																		1
	Chencha		1																		1
Haybena Mt.			1																		1
Konso			1																		1
Kurumi (P1)																					
Arba Minch West																					4
	Arba Minch (P1)		7																		4
(Arba Minch W)	Geresse		1																		1
Gidole			6																		4
	Ghidole		1																		1
Karamercha			5																		4
	Mindore		3																		2
	Mindore		1																		1
(Mindore)	Bulki		1																		1
	Sawla		1																		2
Key Afer			2																		2
Jinka			2																		2
	Jinka		1																		1
(Jinka)	Gazer (Bako Gazer)		1																		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		1																		
(Shashemene)	Wondo (Wondo Kela)		1																		
(Shashemene)	Shinshicho		1																		
(Shashemene)	Alem Tena		1																		
(Dilla)	Gerba (South)						1														
(Dilla)	Amarokelle						1														
(Dilla)	Gedeb						1														
(Dilla)	Filtu						1														
(Hossaina)	Bonesha																				1
(Hossaina)	Mudula																				1
(Weleita Sodo)	Durame																				1

S.Table 9.8-1-b Transmission Capacity in 2010 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	26												3	2	17			48	1
Weliso Town																		0	
(Welisso North) Welkite																		0	
Tolay																		0	
Welikite MW	26												3	2	17			48	1
Welkite																		0	
Fofa	26												3	2	17			48	1
Fofa			1															1	
(Fofa) Assendabo			1															1	
(Fofa) Deneba (Keffa)			1															1	
Muja	26		3										3	2	17		4	55	1
Jimma	26	1	34										3	2	17		4	87	2
Jimma	26	1	37	3									3	2	17		4	93	2
(Jimma) Agaro(P1)			1															1	
Limu Kosa			1															1	
Limu Genet			1															1	
(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			1															1	
(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			8														0	8	1
Gimbo			2														0	2	
Gimbo			1															1	
Bonga			1															1	
(Sembo W) Shebie			1															1	
Shebita			5														0	5	
Walla			5														0	5	
Mizan Teferi			3															3	
Mizan Teferi			2															2	
Aman			1															1	
(Walla) Majji (Tem)			1															1	
Tepi			1														0	1	
Muja(P1)		1	10														4	15	1
Dembi North		1	10														4	15	1
Dembi																	2	2	
(Dembi North) Agaro			1															1	
(Dembi North) Beshasha			1															1	
(Dembi North) Gatera			1															1	
(Dembi North) Sigmo (Sigamo)			1															1	
Arjo MW		1	6														26	33	1
Chora			5														16	21	1
Chora					1													1	
(Chora) Bedele			1														0	1	
Gore Rep.			4		1												14	19	1
Gore					1													1	
(Gore Rep.) Mettu			2		10	4											4	20	1
(Gore Rep.) Hurumu					1													1	
(Gore Rep.) Yayu					1												2	3	
(Gore Rep.) Masha			1															1	

(Gore Rep.)	Algie				1																	1										
(Gore Rep.)	Dega				1																	1										
(Gore Rep.)	Noppa				1																	1										
(Gore Rep.)	Supe				1																	1										
Awete				1	2																	6	9									
	Bure (Illubabour)				1																		1									
Gara Humbi				1	1																	6	8									
	Dembi Dollo			1																			1									
(Gara Humbi)	Gambela																						0									
Shebel South					1																		6	7								
	Abobo									1													2	3								
Gambela					1					1													4	6								
	Gambela				1					2													2	5								
(Gambela)	Itang									1													2	3								
	Wategch Rep.									1													0	1								
	Jikawo									1													0	1								
<Nekemte>																																
Tibebilo				13																		2	1	17		33	1					
	Gedo																										1					
(Tibebilo)	Ijaji																										0					
(Tibebilo)	Bako																										3					
(Tibebilo)	Fincha																										1					
(Tibebilo)	Shambu																										1					
(Tibebilo)	Arjo MW																										0					
(Tibebilo)	Kara Legashi																										0					
	Sugar Factory																										0					
Gara Gordomo				13																							37	1				
	Sira (Sire Wellega)																										1					
(Gara Gordomo)	Gida Ayana																										1					
Nekemte				13																							37	1				
	Nekemte			13		1																						43	101	2		
(Nekemte)	Ghera (Gelila)					1																						1				
(Nekemte)	Guyi																											1				
(Nekemte)	Ayna South																															
	Ayna																															
Arjo MW				1		1																						41	57	1		
	Arjo Town																												1			
(Arjo MW)	Getema																												1			
(Arjo MW)	Arjo Gudetu																												1			
Ventiotto (Gimbi-Entoto)																													15	26	1	
	Gimbi																												4	6		
(Ventiotto)	Inango																												1			
Billa South																													11	19	1	
	Billa Town																													1		
(Billa South)	Guliso																													1		
(Billa South)	Nejo																												2	3		
(Billa South)	Jarso																													1		
Mendi																														9	11	
	Mendi																													1		
Assossa																														5	6	
	Assossa																													5	6	
Billa South (P1)																														0	2	
Gara Kucho																														0	2	
	Alem Teferi																														1	
(Gara Kucho)	Yubdo																														1	
Chanka																															0	
	Chanka																														1	
(Chanka)	Gidame																														1	
(Chanka)	Kakie																														1	
Mojo West																															3	
Dembi Dolo																															3	
	Dembi Dolo																														6	1
(Dembi Dolo)	Rob Gebeya																														1	
Rep.1																															2	
	Ashu																															1
Rep.2																																1
Muggi																																1

* 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-b

Transmission Capacity in 2010 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	45										7	4	17	3	4	80	2
Dejen						1									2	3	
(Tik Giorgis) Bichena						1										1	
(Tik Giorgis) Aba Falassie						2									2	4	
Aba Falassie																0	
(Aba Falassie) Felege Birhan						1										1	
Debre Work						1									2	3	
(Tik Giorgis) Kuyi						1										1	
Robit	45					5					7	4	17	3	4	85	2
Robit																0	
Debre Markos	45					5					7	4	17	3	4	85	2
Debre Markos		4				16	2									22	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	45	4				8					7	4	17	3	6	94	2
Amanuel						1									2	3	
(Amanuel North) Dembecha						2										2	
Dembecha						1										1	
(Dembecha) Jiga						1										1	
Gara Jobel	45	4				5					7	4	17	3	12	97	2
Bure						1									2	3	
(Gara Jobel) Finote Selam						1									2	3	
Gara Beteria	45	4				3					7	4	17	3	18	101	2
Kosober (Injibara)						1										1	
(Gara Beteria) Gara Kar		2	0												6	8	
Chagni		1													2	3	
(Gara Kar) Gilgel Beles																0	
(Gara Kar) Pawe		1													4	5	
(Gara Kar) Metekel																0	
(Gara Kar) Alemu Town																0	
(Gara Beteria) Kessa				1												1	
Merawi North	45	6	1		2						7	4	17	3	26	111	2
Merawi		1													2	3	
(Merawi North) Dangla		2	2												4	8	
Dangla		2	4	2												8	
(Dangla) Abechekli (Durbete)				1												1	
(Dangla) Addis Kidame				1												1	
(Merawi North) Adet North		2													2	4	
Adet		1													2	3	
Tis Abay		1														1	
(Merawi North) Debre Mewi (Adet North)						2										2	
Motta						2										2	
(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	45	12									7	4	17	3	55	143	3
Bahir Dar	45	28	1								7	4	17		57	159	3
(Bahir Dar) Debre Work																0	
(Bahir Dar) Meketel																0	
(Bahir Dar) Kunzla		1														1	
(Bahir Dar) Meshenti		1														1	
Wash Indrias		14								7		17	3	29	70	2	
Debre Tabor		2						1							2	5	
(Wash Indrias) Woreta		2													4	6	
Wereta		1														1	
Addis Zemen		1													2	3	
(Wash Indrias) Debre Tabor Rep.		2						1	1						12	16	
Ibnet		1													6	7	
(Debre Tabor Rep.) Hudad															2	2	

(2) S.Table 9.8-1-b

Area-08

	Iste																			2	2	
	(Debre Tabor Rep.)	Arga							1											4	6	
		Nefas Mewcha							1											4	6	
		N Mewcha							1												1	
	(Debre Tabor Rep.)	(N Mewcha) Semada							1												1	
		Hamsuit East							1												1	
	Gomita								1			7	17	3	11					47	1	
	Gondar								1			7	17	3	11					47	1	
	Gondar								8			17	3	7	17	3	3			58	1	
	Subnaber								1												1	
	Azezo								1												1	
	Gondar (P1)								15						3	8				26	1	
	Girgi North								15						3	8				26	1	
	Ambezo								5								2			7	1	
	Gedebghie								1												1	
	Dabat West								4								2			6	1	
	Amba Giorgis								1								2			3		
	(Dabat West)	Tekil Dingay							1												1	
	Wekin								2												2	1
	Wekin																				0	
	(Wekin)	Dabat							1												1	
	(Wekin)	Debark							1												1	
	Shehazel																				0	
	Adi Arkay																				0	
	May Tsemri																				0	
	Adiguna																				0	
	Adiguna																				0	
	(Adiguna)	Indabaguna																			0	
	Azemach Reday																				0	
	Koyetsa																				0	
																					0	
	Girgi North (P1)								10						3	6				19	1	
	Delgi								1										2		3	
	(Girgi North)	Goagora							1												1	
	(Girgi North)	Fendiba							3											2	5	
		Kola Diba							1											2	3	
	(Fendiba)	Infraz							1												1	
	Chewahit								1												1	
	(Girgi North)	Maksegnt							1												1	
	(Girgi North)	Ambezo Rep.																			0	
	Chilga								4						3	2				9	1	
	Chilga								1								2				3	
	Sebatu Terrara								3						3						6	1
	Serba								1												1	
	Shendi South								2						3						5	1
	Shendi								1												1	
	Mandefro Terara								1						3						4	1
	Metema								1												1	
	Dollar Hill														3						3	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																				1		
(Debre Markos)	Yechereka																				1		
(Debre Markos)	Yitmen																				1		
(Gondar)	Shawra																						1
(Gondar)	Stei																						1
(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-b Transmission Capacity in 2010 GC (Area-01)

Link	AA	Ambo		2M Total	STM-1
<South & East>					
1 Addis Ababa	15			16	
2 Mt.Furi	15			16	
3 Akaki Beseka	8			8	
4 Dukem	1			1	
5 Adama West	6			7	
6 (Adama West) Bijo	6			7	
7 Debre Zeit	6			6	

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-b Transmission Capacity in 2010 GC (Area-01)

Link	AA	Ambo	D Birhan	2M Total	STM-1
<North & NEast>					
7 (Ankober North) Debre Sina			5	5	
Debre Sina			1	1	
(Debre Sina) Armania			1	1	
(Debre Sina) Mezezo			1	1	
(Debre Sina) Molale			1	1	
(Debre Sina) Sala Dingay			1	1	
(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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