

S.Table 9.8-1-d Transmission Capacity in 2020 GC (Area-01)

Link	Traffic													2M Total	STM-1	
	AA	Ambo	Ambo*	D Birhan	D Birhan*	Fiche	Fiche*	Ghion	Ghion*	Holeta	Mobile	IP	TV			Intern'l
<South & East>																
Addis Ababa	20					1									1	22
Mt.Furi	20					1									1	22
(Mt.Furi) Akaki Beseka	11														1	12
(Mt.Furi) Dukem	1															1
Adama West	8					1										9
(Adama West) Bijo	8					1										9
(Adama West) Debre Zeit	8															8
(Adama West) Dukem																0
(Adama West) (Bijo) Gafat																0
(Adama West) (Bijo) Mojo						1										1
(Adama West) Mojo																0
(Adama West) Ejerer (Ajere)						1										1
(Adama West) (Bijo) Alem Tena																0
Addis Ababa																
Entoto																
(Entoto) Akaki Beseka																0
(Entoto) Debre Zeit						0										0
<North & NEast>																
Addis Ababa	3														17	20
(Addis Ababa) Sendafa(P1)																0
Mt.Furi	3														17	20
(Mt.Furi) Sendafa						1										1
Sheno South	3					5									17	25
(Sheno S) Sheno Town						1									1	2
(Sheno S) Aleltu						1										1
(Sheno S) Chacha						1										1
(Sheno S) Mendida						1										1
Ankober North	3					5									13	21
(Ankober North) Ankober (Gorebela)						1										1
(Ankober North) Debre Birhan	3					16	3								7	29
(Ankober North) Alem Amba						4									3	7
(Ankober North) Kuyesa						4									3	7
(Ankober North) Deneba (Shewa)						1										1
(Ankober North) (Kuyesa) Inewari						1									1	2
(Ankober North) (Kuyesa) Jubur						1										1
(Ankober North) (Kuyesa) Mehal Meda						1									2	3
(Ankober North) Debre Sina						5									4	9
(Ankober North) Debre Sina						1										1
(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	5								3						7	15
Mt.Furi	5								3						7	15
(Mt.Furi) Alem Gena									1							1
(Mt.Furi) Tulu Bolo									1						1	2
(Mt.Furi) Galessa																0
(Mt.Furi) Tefki									1							1
(Mt.Furi) Teji									1							1
Welisso North	5								7						6	18
(Welisso North) Weliso Town	2								11	8					2	23

* 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-d Transmission Capacity in 2020 GC (Area-02)

Link	Traffic											
	AA	Nazret	Nazret*	Assela	Assela*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Mt.Furi	49	4				5	8	17	29		112	2
Adama West	49	4				5	8	17	29		112	2
		Nazreth				6	4	17		19	127	3
		Nazreth	49	32	4	3	4	17		19	128	3
		(Nazreth)	Metehara(P1)								0	
		(Nazreth)	Assela(P1)								0	
(Adama West)		Wonji		3							3	
		Wonji		2							2	
		Wonji Shewa		1							1	
(Adama West)		Melkassa		1							1	
(Adama West)		Bijo		4							4	
		(Bijo)	Gafat								0	
		(Bijo)	Mojo		4						4	
(Adama West)		Melela		1						6	7	
		Abomsa		1						4	5	
(Adama West)		Dera(P1)									0	
(Adama West)		Koka Negewo		1							1	
Mt.Kubi				8		2	4	17	29	11	71	2
		Arerti		1							1	
(Mt.Kubi)		Balchi		1							1	
(Mt.Kubi)		Metehara		1							1	
(Mt.Kubi)		Wolenchiti		1							1	
Awash Rep.				4		2	4	17	29	8	64	2
		Awash Town		2						3	5	
(Awash Rep.)		Awash North		2							2	
		Kerensa		2							2	
			Melka Sedi		1						1	
		Melka Werer		1							1	
Dalecha											0	
Adama West(P1)				7		3				0	10	1
Iteya North				7	3	3				3	16	1
		Huruta		revised							0	
(Iteya North)		Diskis West			0						0	
			Diskis		revised						0	
		Robe			0						0	
			Robe		revised						0	
		(Robe)	Ticho		revised						0	
(Iteya North)		Iteya			1						1	
		Nazreth		-	-						0	
(Iteya North)		Sire		revised							0	
(Iteya North)		Dera		revised						revi	0	
Asela				7	11	3				5	26	1
		Asela		7	12	1	3				23	1
(Asela)		Gondie			1						1	
Chebi					7					5	12	
		Kersa			1						1	
Meraro North					6					5	11	
		Sagure			1						1	
(Meraro N)		Bekoj			2						2	
Meraro South					3					5	8	
		Meraro			1						1	
Sebshibe Washa					2					5	7	

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)			3							1	4
Meki			3							1	4
	Meki		2								2
(Meki)	Alem Tena		1								1
Ziway West										1	1
Arsi Negela										1	1
Shashemene (P1)										7	7
	Shashemene										0
(Shashemene)	Kersa									6	6
		Kofele									0
	Sebshibe Wash(P1)			2						6	8
		Dodola		0							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						2	8
(Adama West)	Sire		1								1
(Adama West)	Dera		1						2		3
(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-d Transmission Capacity in 2020 GC (Area-03)

Link	Traffic																	
	AA	To Mekele	From Mekele	Dessie	Dessie*	Dupiti	Assaita	Kemisie	Kemisie*	Woldia	Woldia*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1
Ankober North	32		55									5	8	17			117	
Ambalay South	32		55									5	8	17			117	2
Shewa Robit								1									1	
(Ambalay South) Ataye (Effeson)								1									1	
(Ambalay South) Jewha								1									1	
(Ambalay South) Senbete								1									1	
Karakore MW	32		55	0				4				5	8	17		14	135	3
Kara Kore								1									1	
(Karakore MW) Kelela				1													1	
Irgofet	32		55	1				5				5	8	17		14	137	3
Tita South	32			7								5	8	17		24	93	2
Tita				1													1	
Dessie	32	4		19								5	8	17		26	111	2
Dessie	32	4		43	7							2	3	17		52	160	3
(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				7								3	5	17		12	44	1
Kombolcha				4													4	
(Tossa) Korke (P1)												3	5	17		8	33	
Gara Yewel				3												4	7	
Mekane Selam (Wello)				1													1	
Wele Ilu				2												3	5	
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	
Kemisise				1				5	1								7	
(Irgofet) Kemisise				2				0									2	
Kemisise																	0	
(Kemisise) Wegede				1													1	
Chile				1													1	
Majete				1													1	
Korke			55									3	5	17		8	88	2
Kombolcha																	0	
(Korke) Hayk				1													1	
(Korke) Degan				1													1	
(Korke) Tita South		4		11													15	1
Woldia West (Weldia, Gebriel)		4	55	9						3		3	5	17		6	102	2
Weldia Ex				3						5	2						10	
(Weldia, Gebriel) Sirinka				1													1	
(Weldia, Gebriel) Idari Mersa				3						0						4	7	
Mersa (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										2							2	
Kobo East		4	55							3		3	5	17		2	89	2

S.Table 9.8-1-d Expansion Plan of Spur Network (Area-04)

Link	Traffic				Base*		Plan				Procurement	Remarks
	05	10	15	20	(8th D Pro)	STM-	Backbone**	Region	MW	Cable		
Kobo East	60	72	75	84	16	1	1					-
(Kobo East) Kobo Town					4							
(Kobo East) Kobo Robit												
(Kobo East) Sendedo Ber	2	1	1	1	4							
(Kobo East) Korem	2	1	1	1	2							
(Kobo East) Korem	2	1	1	1	4							-
(Kobo East) Sekota Rep.												
(Kobo East) Sekota												
(Kobo East) Alamata	5	5	5	6	2				4			Exp
Maichew North	67	78	81	95	16	1	1					-
(Maichew N.) Bolenta Giorgis	19	9	10	11	4		1					
(Maichew N.) Maichew Town	24	12	13	14	4		1					
(Maichew N.) Meswaet	2	1	1	1					2			New
Adi Shehu	76	83	87	100	16	1	1					-
(Adi Shehu) Adi Shehu	2	1	1	1								-
Ambalagie	74	82	86	99	16	1	1					-
(Ambalagie) Dela	1	1	1	1					1			New
Mossobo	73	81	85	98	16	1	1					-
(Mossobo) Mekele	111	113	120	149	80	2						-
(Mossobo) Mekele	114	117	124	153	80	2						-
(Mossobo) Imbaradom												
(Mossobo) Imbaradom	1	1	1	1					1			New
(Mossobo) Imbaradom	10	12	12	12	12							
(Mossobo) Adigudom	1	1	1	1	1							
(Mossobo) Samre	1	1	1	1					1			New
(Mossobo) Hintaro	1	0	0	0					1			New
(Mossobo) Yechilla (Tigray)	1	1	1	1					1			New
(Mossobo) Adi Shehu Pass Rep.	8	7	7	7	8							
(Mossobo) May Nebri	8	7	7	7	8							
(Mossobo) May Nebri	1	1	1	1								-
(Mossobo) Hiwane Town	7	6	6	6	7							
(Mossobo) Hiwane Town	2	1	1	1								-
(Mossobo) Betmariam	2	1	1	1					2			New
(Mossobo) Debut	1	1	1	1					1			New
(Mossobo) Quiha	2	1	1	1	2							
(Mossobo) Adidewhy	3	3	3	4	3				1			Exp
(Mossobo) Temben Rep.	3	3	3	4	3				1			Exp
(Mossobo) Temben	3	1	1	1	3							
(Mossobo) Agbie												
(Mossobo) Atebes	0	0	12	0	16							
Inkotamba	37	26	17	44		1						-
(Inkotamba) Wukro	5	4	4	5	5							
(Inkotamba) Sinkata	2	1	1	1	2							
(Inkotamba) Negash	2	1	1	1	2							
(Inkotamba) Tsigereda	2	1	1	1					2			New
(Inkotamba) Battiero	2	1	1	1					2			New
(Inkotamba) Atsbi	2	1	1	1					2			New
(Inkotamba) Selat	2	2	2	2					2			New
(Inkotamba) Haik Mesahil	1	1	1	1					1			New
(Inkotamba) Agulae	1	1	1	1					1			New
(Inkotamba) Debre Birhan												
Hawzen Rep.	48	28	19	47		1						-
(Hawzen Rep.) Hawzen	2	1	1	1					2			New
(Hawzen Rep.) Adi Ahiferom	1	1	1	1					1			New
(Hawzen Rep.) Edaga Hamus	2	1	1	1	2							
Atebes	51	29	32	48		1						-
(Atebes) Kesharat	25	13	14	16	4		1					-
(Atebes) Adigrat	27	14	15	17	4		1					-
(Atebes) Fekiya Keshi North	2	1	1	1	2							
(Atebes) Tsahwa	2	1	1	1	2							
(Atebes) Zalanbessa	2	1	1	1	2							
(Atebes) Gerhu Sernay	1	0	0	0					1			New
(Atebes) Bizet	1	1	1	1					1			New
Adi Abeyito	28	17	19	33	4	1						-
(Adi Abeyito) Inticho	2	1	1	3	2				1			Exp
(Adi Abeyito) Feresmay	1	1	1	1					1			New
Morer	29	17	19	31	4	1						-
(Morer) Adwa	33	18	19	20	4		1					-
(Morer) Axum	10	5	6	9	10							
(Morer) Adet	2	1	1	1	2							
(Morer) Adi Abun	2	1	1	1					2			New

(Morer)	Mai Kintile	1	1	1	1					1	New	
(Morer)	Maheberedegu	1	1	1	1					1	New	
(Morer)	Tabia Nebela	2	1	1	1	2						
	Rama	2	1	1	1	2						
Koyetsa		16	12	12	20	4	1	1			-	
	Enda Selasie	12	5	5	7	4				8	Exp	
(Koyetsa)	Shire	0	0	0	2	4						
(Koyetsa)	Wukero Maray											
(Koyetsa)	Adi Dairo	1	1	1	3	1				2	Exp	
(Koyetsa)	Adi Awala	1	1	1	1					1	New	
(Koyetsa)	Badme	1	1	1	1					1	New	
(Koyetsa)	Selekleka	2	1	1	1					2	New	
(Koyetsa)	Adi Dairo West	2	3	3	3	3						
	Sheraro	2	3	3	3	3						
Azemachi Reday		2	3	3	5	3				2	Exp	
Adiguna		2	3	3	5	3				2	Exp	
Indabaguna		2	3	3	5	3				2	Exp	
	Indabaguna	2	3	3	5	3				2	Exp	
(Mekele)	Aynalem	1	1	1	1					1	New	
(Mekele)	Dengolat	1	0	0	0					1	New	
(Adwa)	Adi Gheburu	2	1	1	1					2	New	
(Adwa)	Adi Hagerai	1	1	1	1					1	New	
(Adwa)	Adi Nebri-Id	1	1	1	1					1	New	
(Adwa)	Edaga Arbi	1	0	0	0					1	New	
(Adwa)	Merha Senay	1	1	1	1					1	New	
(Adwa)	Work Amba	1	0	0	0					1	New	
(Axum)	Chila	1	1	1	1					1	New	
(Enda Selasie)	Zana	1	1	1	1					1	New	
(Maichew Town)	Bora	1	1	1	1					1	New	
(Maichew Town)	Mehoni	2	1	1	1					2	New	

* Equipment Capacity at completion of 8th Development Programme

** Quantity of STM-1

	Link	System
Newly Construction	37	48
STM1	0	0
PDH	37	48
Expansion	10	25
STM1	0	0
PDH	10	25

S.Table 9.8-1-d Transmission Capacity in 2020 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.	44							2	4	17	29		96	2
Dalecha	44		0					2	4	17	29	1	97	2
Asebot			1										1	
(Dalecha) Mieso		1											1	
(Dalecha) Asebe Teferi Rep.		2	3									11	16	
Asebe Teferi		2	13									11	26	
(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	44	4						2	4	17	29	12	112	2
Ades													0	
Kulubi West (P1)	44	8						2	4	17	29	13	117	2
Chelenko		1										4	5	
(Kulubi West) Errer		1										1	2	
(Kulubi West) Hurso		1											1	
(Kulubi West) Deder		revised											0	
(Kulubi West) Gara Wube		0											0	
Kobo (Harege)		revised											0	
Gara Kufa		revised											0	
Hirna		revised											0	
Dire Dawa	44	13						2	4	17		20	100	2
Dire Dawa	44	42						2	4	17		42	151	3
(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 (Harege)		1											1	
(Dire Dawa) Langie		1											1	
Dengego		25								17		21	63	1
Alemaya				1								2	3	
(Dengego) Alemaya University													0	
(Dengego) Watter (Tebele)				1									1	
(Dengego) Kurfachele				1								4	5	
Hakim Gara		25		3						17		15	60	1
Harar		10		14	1					17		2	44	1
(Hakim Gara) Gursum				1								2	3	
(Hakim Gara) Girawa				2								2	4	
Girawa				1									1	
(Girawa) Bedeno				1									1	
(Hakim Gara) Kombolcha		1		2								2	5	
Kombolcha		1		1									2	
(Kombolcha Ejersa Goro)				1									1	
(Hakim Gara) Aweday				1									1	
(Hakim Gara) Amaressa				1									1	

S.Table 9.8-1-d Transmission Capacity in 2020 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	4	17	5				
Mt.Furi	59															3	4	17	5			88	2
Meki	59															3	4	17	5			88	2
Ziway West	59															3	4	17	5			88	2
Ziway		3									1					1							5
(Ziway West) Midre Kebd		1																			6		7
Butajira		1																			2		3
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	59	5					3									4	4	17	5	6	103	2	
Arsi Negela		2																					2
(Arsi Negela) Bulbula		1																					1
(Arsi Negela) Langano		1																					1
Shashemene	59	9	0			3										4	4	17	5	9	110	2	
Shashemene	59	54	4													3	4	17	5	105	251	4	
(Shashemene) Kersa		13																			20		33
Kofele		1																			2		3
(Kersa) Korie		1																					1
Sebshibe Wash		11																			18		29
Dodola		2																					2
Dodola		1																					1
(Dodola) Herrero		1																					1
(Sebshibe W: Ardaita)																							
(Sebshibe W: Gobessa)																							
(Sebshibe W: Adaba)		1																			4		5
(Sebshibe W: Asassa)																							
Gasera		8																			14		22
Gasera		1																					1
(Gasera) Mt.Welenchiso									1												4		5
Goro									1												4		5
(Gasera) Agarfa		revised																					0
Bale Goba		6							1												10		17
Goba		2						3													4		9
(Bale Goba) Agarfa Town																							
(Bale Goba) Agarfa Training Center																							
(Bale Goba) Dinsho		1																					1
(Bale Goba) Robe		1							2	2											2		7
Robe									2	2													4
(Robe) Alli		1																					1
Sanete		2							1	1											4		8
Sanete																							
(Sanete) Ghinir		1							1	1											4		7
(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		7	0			2															36	45	1
Alaba Kulito						1															5		6
Hadero						1																	1
(Mt. Fende) Shone		1																					1
(Mt. Fende) Adjie		1																					1
Delbo Wegene Rep.		5	0			1													17		31	54	1
Boditi																							
Humbo Abo Rep.		5	0			1													17		31	54	1

Abaro		23	0		5									5	38	71	2
	Awassa	12								3					2	17	
(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													6	6	
	Aleta Wondo														6	6	
	Chuko																
(Abaro)	Children's Village																
(Abaro)	Basha	1														1	
(Abaro)	Tulla	1														1	
Waragelama		6	0	1						3				5	28	43	1
	Yirgalem	2														2	
	Yirgalem	2														2	
	Leku(P1)																
(Waragelama)	Chuko			1												1	
(Waragelama)	Aleta Wondo(P1)																
(Waragelama)	Banko	4		7											10	21	
	Banko																
	(Banko) Wenago			1												1	
	(Banko) Hagere Selam			1												1	
	Dilla	4		9											4	17	
	Dilla	4		11	4											19	
	(Dilla) Bule			1												1	
	(Dilla) Kebado			1												1	
(Waragelama)	Dilla																
	Dilla																
	Dilla																
	Weleita Sodo																
Kurumi			0	5						3				5	14	27	1
	Yirga Chefe			1											2	3	
(Kurumi)	Chelelektu			1												1	
(Kurumi)	Fisha Ghenet			1												1	
Hagere Mariam Rep.				2						3				5	10	20	1
	Hagere Mariam Town														2	2	
(H.Mariam Rep.)	Legedenbi North									3					2	5	
	Shakiso									1					2	3	
	(Legedenbi N Kibre Mengist									2						2	
	(Legedenbi N Harekello																
	(Legedenbi N Negele Bolena																
	(Legedenbi N Legedenbi																
Denbela Fura				2										5	5	12	1
	Yabelo Rep.																
	Yabelo																
Tule Bera				2										5	4	11	1
Mega Rep.				2										5	3	10	1
	Mega			1												1	
Tuka				1										5	3	9	
	Moyale			1											3	4	
Marza														5		5	
Areka																2	2
	Areka									1						1	
(Areka)	Soyama				1											1	
Zamine North Rep.					1					1					7	9	
	Weleita Sodo									1					2	3	
	Weleita Sodo	2								1	1					4	
	(Sodo) Zefene			0													
Humbo Abo Rep. (P1)		5	0		1									17	27	50	
Birbir		3	0											17	20	40	
	Birbir			1												1	
(Birbir)	Ezo			1												1	
Koyite		3	2											17	20	42	
Bekele Mola		3	2											17	20	42	
	Arba Minch	3	13											17	11	44	
(Bekele Mola)	Lante			1												1	
(Bekele Mola)	Dorze Lake			2											2	4	
	Dorzie			1												1	
	Chencha			1											2	3	
Haybena Mt.				1											4	5	

S.Table 9.8-1-d Transmission Capacity in 2020 GC (Area-07)

Link	Traffic																			
	AA	Nek-Jim	Jimma	Jimma*	Mettu	Metu*	D Dollo	D Dollo*	Gambela	Nekemte	Nekemte*	Bako	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-1	
<Jimma>																				
Welisso North	30													2	2	17			51	1
Weliso Town																			0	
(Welisso North) Welkite																			0	
Tolay																			0	
Welikite MW	30													2	2	17			51	1
Welkite																			0	
Fofa	30													2	2	17			51	1
Fofa				1															1	
(Fofa) Assendabo				1															1	
(Fofa) Deneba (Keffa)				1															1	
Muja	30		3											2	2	17		19	73	2
Jimma	30	1	39											2	2	17		6	97	2
Jimma	30	1	42	3										2	2	17		6	103	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			9															9	18	1
Gimbo			3															2	5	
Gimbo			1																1	
Bonga			2																2	
(Sembo W) Shebie			1																1	
Shebita			5															4	9	
Walla			5															4	9	
Mizan Teferi			3																3	
Mizan Teferi			2																2	
Aman			1																1	
(Walla) Majji (Tem)			1																1	
Tepi			1															4	5	
Muja(P1)		1	14															19	34	1
Dembi North		1	14															19	34	1
Dembi																		4	4	
(Dembi North) Agaro				2															2	
(Dembi North) Beshasha				1															1	
(Dembi North) Gatera				1															1	
(Dembi North) Sigo (Sigamo)				1															1	
Arjo MW		1	9															58	68	2
Chora			8															27	35	1
Chora					1														1	
(Chora) Bedele				2														4	6	
Gore Rep.			6		1													21	28	1
Gore					1														1	
(Gore Rep.) Mettu				3	10	4												4	21	1
(Gore Rep.) Hurumu					1														1	
(Gore Rep.) Yayu					1													2	3	
(Gore Rep.) Masha				1															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-d

Transmission Capacity in 2020 GC (Area-08)

Link	Traffic																
	AA	B Dar	B Dar*	Dangla	Dangla*	D Markos	D Markos*	D Tabor	Gondar	Gondar*	Mobile	IP	TV	Intern'l	PCO	2M Total	STM-I
Tik Giorgis	54										3	6	17	5	14	99	2
Dejen						1									6	7	
(Tik Giorgis) Bichena						1										1	
(Tik Giorgis) Aba Falassie						2									8	10	
Aba Falassie																0	
(Aba Falassie) Felege Birhan						1										1	
Debre Work						1									6	7	
(Tik Giorgis) Kuyi						1										1	
Robit	54					5					3	6	17	5	14	104	2
Robit																0	
Debre Markos	54					5					3	6	17	5	19	109	2
Debre Markos		7				21	2								3	33	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	54	7				13					3	6	17	5	23	128	3
Amanuel						1									2	3	
(Amanuel North) Dembecha						3										3	
Dembecha						2										2	
(Dembecha) Jiga						1										1	
Gara Jobel	54	7				9					3	6	17	5	31	132	3
Bure						2									2	4	
(Gara Jobel) Finote Selam						2									2	4	
Gara Beteria	54	7				5					3	6	17	5	43	140	3
Kosober (Injibara)						2										2	
(Gara Beteria) Gara Kar		3		0											10	13	
Chagni		2													4	6	
(Gara Kar) Gilgel Beles																0	
(Gara Kar) Pawe		1													6	7	
(Gara Kar) Metekel																0	
(Gara Kar) Alemu Town																0	
(Gara Beteria) Kessa				1												1	
Merawi North	54	10		1		3					3	6	17	5	61	160	3
Merawi		1													2	3	
(Merawi North) Dangla		3		2											6	11	
Dangla		3		4	2											9	
(Dangla) Abechekli (Durbete)				1												1	
(Dangla) Addis Kidame				1												1	
(Merawi North) Adet North		2													8	10	
Adet		1													6	7	
Tis Abay		1														1	
(Merawi North) Debre Mewi (Adet North)						3										3	
Motta						3										3	
(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	54	17									3	6	17	5	107	209	4
Bahir Dar	54	43	1								3	6	17		115	239	4
(Bahir Dar) Debre Work																0	
(Bahir Dar) Meketel																0	
(Bahir Dar) Kunzla		1														1	
(Bahir Dar) Meshenti		1														1	
Wash Indrias		24									3		17	5	46	95	2
Debre Tabor		4						1							2	7	
(Wash Indrias) Woreta		2													4	6	
Wereta		1														1	
Addis Zemen		1													2	3	
(Wash Indrias) Debre Tabor Rep.		2						1	1						14	18	
Ibnet		1													6	7	
(Debre Tabor Rep.) Hudad															2	2	

(4) S.Table 9.8-1-d

Area-08

	Iste																		2	2
	(Debre Tabor Rep.) Arga		1						1										6	8
	Nefas Mewcha		1						1										6	8
	N Mewcha								1											1
	(N Mewcha) Semada		1																	1
	(Debre Tabor Rep.) Hamsuit East								1											1
Gomita			16						1		3	17	5	24					66	2
Gondar			16						1		3	17	5	24					66	2
	Gondar		16						17	3	3	17	5	3					64	2
Subnaber									1											1
	Azezo								1											1
Gondar (P1)									15				5	21					41	1
Girgi North									15				5	21					41	1
Ambezo									5					13					18	1
	Gedebghie								1											1
Dabat West									4					13					17	1
	Amba Giorgis								1					2					3	
(Dabat West)	Tekil Dingay								1					2					3	
Wekin									2					9					11	1
	Wekin													2					2	
(Wekin)	Dabat								1					2					3	
(Wekin)	Debark								1					2					3	
Shehazel														3					3	
Adi Arkay														3					3	
May Tsemri														1					1	
Adiguna														0					0	
	Adiguna																		0	
(Adiguna)	Indabaguna																		0	
Azemach Reday																			0	
Koyetsa																			0	
																			0	
Girgi North (P1)									10				5	8					23	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)	Maksegt								1										1	
(Girgi North)	Ambezo Rep.																		0	
Chilga									4				5	4					13	1
	Chilga								1					2					3	
Sebatu Terrara									3				5	2					10	1
	Serba								1										1	
Shendi South									2				5	2					9	1
	Shendi								1										1	
Mandefro Terara									1				5	2					8	1
	Metema								1					2					3	
Dollar Hill														5					5	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-d Transmission Capacity in 2020 GC (Area-01)

Link	AA	Ambo		2M Total	STM-1
<South & East>					
1 Addis Ababa	20			22	
2 Mt.Furi	20			22	
3 Akaki Beseka	11			12	
4 Dukem	1			1	
5 Adama West	8			9	
6 (Adama West) Bijo	8			9	
7 Debre Zeit	8			8	

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-d Transmission Capacity in 2020 GC (Area-01)

Link	AA	Ambo	D Birhan	2M Total	STM-1
<North & NEast>					
7 (Ankober North) Debre Sina			5	9	
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) 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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