

S.Table 9.8-1-e Summary of Transmission Capacity (Area-01)

Link	2005	2010	2015	2020
<South & East>				
Addis Ababa	63	16	18	22
Mt.Furi	63	16	18	22
Akaki Beseka	33	8	9	12
(Mt.Furi) Dukem	3	1	1	1
Adama West	27	7	8	9
(Adama West) Bijo	27	7	8	9
Debre Zeit	25	6	7	8
Dukem	0	0	0	0
(Bijo) Gafat	0	0	0	0
(Bijo) Mojo	2	1	1	1
Ejerer (Ajere)	2	1	1	1
(Bijo) Alem Tena	0	0	0	0
Addis Ababa				
Entoto				
Akaki Beseka	0	0	0	0
(Entoto) Debre Zeit	0	0	0	0
<North & NEast>				
Addis Ababa	11	6	7	20
Sendafa(P1)	0	0	0	0
Mt.Furi	11	6	7	20
Sendafa	2	1	1	1
Sheno South	17	11	12	25
Sheno Town	1	1	1	2
(Sheno S) Aleltu	1	1	1	1
(Sheno S) Chacha	1	1	1	1
(Sheno S) Mendida	1	1	1	1
Ankober North	17	11	12	21
Ankober (Gorebela)	1	1	1	1
(Ankober North) Debre Birhan	33	25	26	29
Alem Amba	7	6	6	7
Kuyesa	7	6	6	7
Deneba (Shewa)	1	1	1	1
(Kuyesa) Inewari	1	1	1	2
(Kuyesa) Jubur	1	1	1	1
(Kuyesa) Mehal Meda	4	3	3	3
(Ankober North) Debre Sina	6	5	5	9
Debre Sina	2	1	1	1
(Debre Sina) Armania	1	1	1	1
(Debre Sina) Mezezo	1	1	1	1
(Debre Sina) Molale	1	1	1	1
(Debre Sina) Sala Dingay	1	1	1	1
(Ankober North) Aliyu Amba	1	1	1	1
Ambalay South	0	0	0	0
<South>				
<South West>				
Addis Ababa	23	8	9	15
Mt.Furi	23	8	9	15
Alem Gena	3	1	1	1
(Mt.Furi) Tulu Bolo	2	1	1	2
(Mt.Furi) Galessa	0	0	0	0
(Mt.Furi) Tefki	1	1	1	1
(Mt.Furi) Teji	2	1	1	1
Welisso North	31	12	13	18
Weliso Town	34	20	21	23
(Welisso North) Welkite	0	0	0	0
Tolay	0	0	0	0
(Welisso North) Dillela	1	1	1	1
Welikite MW	14	7	7	8

	Welkite		8	2	2	3
(Welikite MW)	Endibir		2	1	1	1
(Welikite MW)	Gubro		1	1	1	1
(Welikite MW)	Gunchire		1	1	1	1
<West>						
Addis Ababa			23	18	19	23
Gara Menagesha			23	18	19	23
	Menagesha		1	1	1	1
(G Menagesha)	Sebeta		7	2	2	2
(G Menagesha)	Holeta Genet		5	2	2	2
(G Menagesha)	Addis Alem		3	1	1	1
(G Menagesha)	Ghinchi		3	4	4	4
		Ghinchi	2	1	1	1
	(Ghinchi)	Asgori	1	1	1	1
	(Ghinchi)	Welenkomi	1	1	1	1
Galessa			17	15	16	20
Wenchi			17	15	16	20
	Ambo		29	15	16	16
		Ambo	30	16	17	17
	(Ambo)	Ambo Miess Rep.	0	0	0	0
		Hormat	0	0	0	0
(Wenchi)	Kemet Gebrel		5	9	9	9
		Inchini	2	1	1	1
	(Kemet Gebrel)	Shino	0	0	0	0
	(Kemet Gebrel)	Jeldu	2	7	7	7
		Gendeberet	1	5	5	5
(Wenchi)	Guder		2	1	1	1
(Wenchi)	Meti		1	1	1	1
Tibebilo			4	5	5	9
	Ghedo		2	1	1	1
(Tibebilo)	Ijaji		0	2	2	2
(Tibebilo)	Bako		0	0	0	1
(Tibebilo)	Fincha		0	0	0	0
(Tibebilo)	Shambu		0	0	0	0
(Tibebilo)	Arjo MW		0	0	0	0
(Tibebilo)	Kara Legashi		0	0	0	0
(Tibebilo)	Shenen		1	1	1	1
(Tibebilo)	Babichu		1	1	1	1
Gara Gordomo			0	0	0	0
<North West>						
Addis Ababa			8	8	8	18
	Fitche(P1)		2	1	1	4
	Kuyu		2	1	1	1
Entoto			8	8	8	15
	Sululta		1	3	3	3
(Entoto)	Chancho		4	2	2	2
		Chancho	3	1	1	1
	(Chancho)	Mukatari	1	1	1	1
Gara Guda			13	9	9	16
	Debre Tsige		5	4	4	4
		Debre Tsige	1	1	1	1
	(Debre Tsige)	Fetra	1	1	1	1
	(Debre Tsige)	Gunde Meskel (Dera)	2	1	1	1
	(Debre Tsige)	Lemi	1	1	1	1
(Gara Guda)	Fitche		20	13	13	17
		Fitche	25	16	16	16
	(Fitche)	Alem Ketema	4	3	3	3
	(Fitche)	Abmiso (Degem)	1	1	1	1
	(Fitche)	Debre Libanos	1	1	1	1
(Gara Guda)	Gebre Guracha		2	4	4	7
		Gebre Guracha	0	0	0	0
	(G. Guracha)	Gohatsion	1	1	1	1
	(G. Guracha)	Tulmelki	1	1	1	1
Tik Giorgis			0	0	0	0

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

S.Table 9.8-1-e Summary of Transmission Capacity (Area-02)

Link	2005	2010	2015	2020
Mt.Furi	73	89	95	112
Adama West	73	89	95	112
Nazreth	101	95	99	127
Nazreth	101	94	101	128
(Adama West) Wonji	6	2	2	3
Wonji	3	1	1	2
Wonji Shewa	3	1	1	1
(Adama West) Melkassa	1	1	1	1
(Adama West) Bijo	8	2	3	4
(Bijo) Gafat	0	0	0	0
(Bijo) Mojo	8	2	3	4
(Adama West) Melela	1	1	1	7
Abomsa	1	1	1	5
Dera(P1)	0	0	0	0
(Adama West) Koka Negewo	1	1	1	1
Mt.Kubi	48	54	57	71
Arerti	1	1	1	1
(Mt.Kubi) Balchi	1	1	1	1
(Mt.Kubi) Metehara	2	1	1	1
(Mt.Kubi) Wolenchiti	2	1	1	1
Awash Rep.	42	50	53	64
Awash Town	4	3	4	5
(Awash Rep.) Awash North	2	2	2	2
Kerensa	2	2	2	2
Melka Sedi	1	1	1	1
Melka Werer	1	1	1	1
Dalecha	0	0	0	0
Adama West(P1)	17	9	7	10
Iteya North	22	14	12	16
Huruta	0	0	0	0
(Iteya North) Diskis West	0	0	0	0
Diskis	0	0	0	0
Robe	0	0	0	0
Robe	0	0	0	0
(Robe) Ticho	0	0	0	0
(Iteya North) Iteya	2	1	1	1
Nazreth	0	0	0	0
(Iteya North) Sire	0	0	0	0
(Iteya North) Dera	0	0	0	0
Asela	38	21	20	26
Asela	40	21	20	23
(Asela) Gondie	1	1	1	1
Chebi	14	8	9	12
Kersa	2	1	1	1
Meraro North	12	7	8	11
Sagure	2	1	1	1
(Meraro N) Bekoj	4	1	2	2
Meraro South	6	5	5	8
Meraro	2	1	1	1
Sebshibe Washa	4	4	4	7
	0	0	0	0
Mt.Furi(P1)	1	2	2	2
Addis Ababa	1	2	2	2
Mt.Furi	1	2	2	2
Sheno South	1	2	2	2
Ankober	1	2	2	2
Gewane	1	2	2	2
Mt.Furi(P2)	5	3	4	4
Meki	5	3	4	4
Meki	4	1	2	2
(Meki) Alem Tena	1	1	1	1
Ziway West	0	1	1	1

Arsi Negela		0	1	1	1
Shashemene (P1)		1	4	4	7
	Shashemene	0	0	0	0
(Shashemene)	Kersa	1	3	3	6
	Kofele	0	0	0	0
	Sebshibe Wash(P1)	5	5	5	8
	Dodola	0	0	0	0
	Ardaita	0	0	0	0
	(Sebshibe Wash) Gobessa	2	1	1	1
	(Sebshibe Wash) Adaba	1	1	1	1
	(Sebshibe Wash) Asassa	2	1	1	1
	Gasera	0	0	0	0
Adama West (P2)		12	6	6	8
(Adama West)	Sire	2	1	1	1
(Adama West)	Dera	3	1	1	3
(Adama West)	Huruta	2	1	1	1
(Adama West)	Bolo Mihale	5	3	3	3
	Choyo Abo	5	3	3	3
	Diskis	2	1	1	1
	Arsi Robe	3	2	2	2
	Robe	2	1	1	1
	Ticho	1	1	1	1
	Ticho	1	1	1	1
	Gobesa				
(Nazreth)	Boffa	1	1	1	1
(Nazreth)	Bole	1	1	1	1
(Nazreth)	Bulala	1	1	1	1
(Nazreth)	Doni	1	0	1	0
(Asela)	Ogolcho	1	0	1	0

S.Table 9.8-1-e Summary of Transmission Capacity (Area-03)

Link	2005	2010	2015	2020
Ankober North	81	101	104	117
Ambalay South	81	101	104	117
Shoa Robit	2	1	1	1
(Ambalay South) Ataye (Effeson)	2	1	1	1
(Ambalay South) Jewha	1	1	1	1
(Ambalay South) Senbete	1	1	1	1
Karakore MW	87	105	108	135
Kara Kore	1	1	1	1
(Karakore MW) Kemisse	0	0	0	0
(Karakore MW) Tossa	0	0	0	0
(Karakore MW) Weldia	0	0	0	0
(Karakore MW) Kelela	1	1	1	1
Irgofet	89	107	110	137
Tita South	56	72	66	93
Tita	1	1	1	1
Dessie	78	87	80	111
Dessie	119	124	123	160
(Dessie) Adjibar (Saint)	1	1	1	1
(Dessie) Akesta	1	1	1	1
(Dessie) Amba Mariam	1	1	1	1
(Dessie) Feres Bet	1	1	1	1
(Dessie) Kabe	1	1	1	1
(Dessie) Mekdela (Mash)	1	1	1	1
(Dessie) Tenta	1	1	1	1
(Dessie) Bistima	1	1	1	1
(Dessie) Kutaber	1	1	1	1
(Dessie) Sulula	1	1	1	1
(Dessie) Wegel Tena	1	1	1	1
Tossa	35	35	33	44
Kombolcha	7	2	3	4
(Tossa) Korke (P1)	23	30	27	33
Gara Yewel	5	3	3	7
Mekane Selam (Wello)	1	1	1	1
Wele Ilu	4	2	2	5
Wele Ilu	2	1	1	1
(Wele Ilu) Jamma (Degolo)	2	1	1	1
(Irgofet) Chefa Robit	1	1	1	1
(Irgofet) Harbu	1	3	3	3
(Irgofet) Mekoy South	10	7	7	7
Mekoy (Antsokia)	1	1	1	1
Kemisse	11	7	7	7
(Irgofet) Kemisse	2	2	2	2
Kemisse	0	0	0	0
(Kemisse) Wegede	1	1	1	1
Chile	1	1	1	1
Majete	1	1	1	1
Korke	56	72	76	88
Kombolcha	0	0	0	0
(Korke) Hayk	2	1	1	1
(Korke) Degan	1	1	1	1
(Korke) Tita South	21	14	13	15
Woldia West (Weldia, Gebriel)	79	87	90	102
Weldia Ex	16	8	8	10
(Weldia, Gebriel) Sirinka	1	1	1	1
(Weldia, Gebriel) Idari Mersa	5	5	5	7
Merts (Merssa)	2	1	1	1
(Idari Mersa) Wurgesa	1	1	1	1
(Idari Mersa) Wuchale	2	1	1	1
(Weldia, Gebriel) Flakit (Mekit)	2	1	1	1
(Weldia, Gebriel) Kon (Kon Abo)	1	1	1	1
(Weldia, Gebriel) Lalibela	3	1	1	2

Kobo East		65	77	80	89
	Kobo Town	2	3	3	3
(Kobo East)	Kobo Robit	1	1	1	1
(Kobo East)	Sendedo Ber	2	1	1	1
	Korem	0	0	0	0
	Sekota Rep.	2	1	1	1
	Sekota	2	1	1	1
(Kobo East)	Alamata	0	0	0	0
Maichew North		37	46	52	59
Dessie (P1)		29	28	28	28
Hara		29	28	28	28
Bati		29	28	28	28
	Bati Town	3	1	1	1
(Bati)	Eliwoha	1	1	1	1
Mille		25	26	26	26
	Mille Town	0	1	1	1
	Adaltu (Aditu)	1	1	1	1
Tendaho		24	24	24	24
	Tendaho (TV)	17	17	17	17
(Tendaho)	Tendaho Town	1	1	1	1
(Tendaho)	Dupti	7	6	6	6
	Logia	1	1	1	1
(Tendaho)	Semera	3	1	1	2
(Tendaho)	Assaita(P1)	0	0	0	0
Serdo		1	2	0	19
	Serdo Town	0	0	0	0
(Serdo)	Detbahri	0	0	0	0
(Serdo)	Assaita	1	1	0	1
(Serdo)	Deceotto (Dicha Otto)	0	0	0	0
Paradizo		0	1	0	1
	Paradizo Town	0	0	0	0
(Paradizo)	Elidar	0	1	0	1
Lofele		0	0	0	0
Musari		0	0	0	0
	Manda	0	0	0	0
Bure		0	0	0	0
Serdo		10	8	8	9
(Serdo)	Detbahri	1	1	1	1
	Detbahri	1	1	1	1
	Assaita	4	2	2	3
(Serdo)	Deceotto (Dicha Otto)	1	1	1	1
Deceotto West		4	4	4	4
Paradizo Town		4	4	4	4
	Paradizo Town	1	1	1	1
(Paradizo T)	Galafi	0	0	0	0
Musari		3	3	3	3
	Manda	0	0	0	0
(Musari)	Elidar	2	2	2	2
Bure		1	1	1	1
(Dessie)	Arbaya	1	1	1	1
(Dessie)	Betabahari	1	1	1	1
(Dessie)	Weinamba	1	1	1	1
(Dessie)	Chifra	1	1	1	1
(Dessie)	Chefa Woledi	1	1	1	1
(Dessie)	Geshen Mariam	1	1	1	1
(Dessie)	Muja	1	1	1	1
(Kemisse)	Rassa	2	1	1	1
(Weldia Ex)	Waja	2	1	1	1
(Weldia Ex)	Gobye	1	1	1	1

S.Table 9.8-1-e Summary of Transmission Capacity (Area-04)

Link		2005	2010	2015	2020
Kobo East		60	72	75	84
	Kobo Town	0	0	0	0
(Kobo East)	Kobo Robit	0	0	0	0
(Kobo East)	Sendedo Ber	2	1	1	1
	Korem	2	1	1	1
	Korem	2	1	1	1
	Sekota Rep.	0	0	0	0
	Sekota	0	0	0	0
(Kobo East)	Alamata	5	5	5	6
Maichew North		67	78	81	95
	Bolenta Giorgis	19	9	10	11
	Maichew Town	24	12	13	14
(Maichew N.)	Meswaet	2	1	1	1
Adi Shehu		76	83	87	100
	Adi Shehu	2	1	1	1
Ambalagie		74	82	86	99
	Dela	1	1	1	1
Mossobo		73	81	85	98
	Mekele	111	113	120	149
	Mekele	114	117	124	153
	(Mekele) Imbaradom	0	0	0	0
	Hagere Selam	1	1	1	1
(Mossobo)	Imbaradom	10	12	12	12
	Adigudom	1	1	1	1
	(Imbaradom) Samre	1	1	1	1
	(Imbaradom) Hintaro	1	0	0	0
	(Imbaradom) Yechilla (Tigray)	1	1	1	1
	Adi Shehu Pass Rep.	8	7	7	7
	May Nebri	8	7	7	7
	May Nebri	1	1	1	1
	Hiwane Town	7	6	6	6
	Hiwane Town	2	1	1	1
	(Hiwane T.) Betmariam	2	1	1	1
	(Hiwane T.) Debub	1	1	1	1
(Mossobo)	Quiha	2	1	1	1
(Mossobo)	Adidewhy	3	3	3	4
	Temben Rep.	3	3	3	4
	Temben	3	1	1	1
	(Temben Rep.) Agbie	0	0	0	0
(Mossobo)	Atebes	0	0	12	0
Inkotamba		37	26	17	44
	Wukro	5	4	4	5
(Inkotamba)	Sinkata	2	1	1	1
(Inkotamba)	Negash	2	1	1	1
(Inkotamba)	Tsigereda	2	1	1	1
(Inkotamba)	Battiero	2	1	1	1
	Atsbi	2	1	1	1
(Inkotamba)	Selat	2	2	2	2
	Haik Mesahil	1	1	1	1
	Agulae	1	1	1	1
(Inkotamba)	Debre Birhan	0	0	0	0
Hawzen Rep.		48	28	19	47
	Hawzen	2	1	1	1
(Hawzen Rep.)	Adi Ahiferom	1	1	1	1
(Hawzen Rep.)	Edaga Hamus	2	1	1	1
Atebes		51	29	32	48
	Kesharat	25	13	14	16
	Adigrat	27	14	15	17
	Fekiya Keshi North	2	1	1	1
	Tsahwa	2	1	1	1
	Zalanbessa	2	1	1	1
(Atebes)	Gerhu Sernay	1	0	0	0
(Atebes)	Bizet	1	1	1	1
Adi Abeyito		28	17	19	33
	Inticho	2	1	1	3

(Adi Abeyito)	Feresmay	1	1	1	1
Morer		29	17	19	31
	Adwa	33	18	19	20
(Morer)	Axum	10	5	6	9
(Morer)	Adet	2	1	1	1
(Morer)	Adi Abun	2	1	1	1
(Morer)	Mai Kintile	1	1	1	1
(Morer)	Maheberedegu	1	1	1	1
(Morer)	Tabia Nebela	2	1	1	1
	Rama	2	1	1	1
Koyetsa		16	12	12	20
	Enda Selasie	12	5	5	7
(Koyetsa)	Shire	0	0	0	2
(Koyetsa)	Wukero Maray	0	0	0	0
(Koyetsa)	Adi Dairo	1	1	1	3
(Koyetsa)	Adi Awala	1	1	1	1
(Koyetsa)	Badme	1	1	1	1
(Koyetsa)	Selekleka	2	1	1	1
(Koyetsa)	Adi Dairo West	2	3	3	3
	Sheraro	2	3	3	3
Azemachi Reday		2	3	3	5
Adiguna		2	3	3	5
Indabaguna		2	3	3	5
	Indabaguna	2	3	3	5
(Mekele)	Aynalem	1	1	1	1
(Mekele)	Dengolat	1	0	0	0
(Adwa)	Adi Gheburu	2	1	1	1
(Adwa)	Adi Hagerai	1	1	1	1
(Adwa)	Adi Nebri-Id	1	1	1	1
(Adwa)	Edaga Arbi	1	0	0	0
(Adwa)	Merha Senay	1	1	1	1
(Adwa)	Work Amba	1	0	0	0
(Axum)	Chila	1	1	1	1
(Enda Selasie)	Zana	1	1	1	1
(Maichew Town)	Bora	1	1	1	1
(Maichew Town)	Mehoni	2	1	1	1

S.Table 9.8-1-e Summary of Transmission Capacity (Area-05)

Link	2005	2010	2015	2020
Awash Rep.	65	78	84	96
Dalecha	65	78	84	97
Asebot	1	1	1	1
(Dalecha) Mieso	1	1	1	1
(Dalecha) Asebe Teferi Rep.	11	6	7	16
Asebe Teferi	22	16	17	26
(A T Rep) Mechara	1	1	1	1
(A T Rep) Boke Tiko	1	1	1	1
(A T Rep) Arba	2	1	1	1
(A T Rep) Belbeliti	1	1	1	1
(A T Rep) Debesso	1	1	1	1
(A T Rep) Doba	1	1	1	1
(A T Rep) Kara Kurkura	1	1	1	1
(A T Rep) Kuni	1	1	1	1
(A T Rep) Mecheta	1	1	1	1
(A T Rep) Wachoo	1	1	1	1
(Dalecha) Asebe Teferi	0	0	0	0
Asebe Teferi	0	0	0	0
Meisso	0	0	0	0
(Dalecha) Afdem	0	0	0	0
(Dalecha) Muktar Terrara	4	2	2	2
Bedessa	2	1	1	1
Gelemso	2	1	1	1
Ades	74	83	90	112
Ades	0	0	0	0
Kulubi West (P1)	80	87	94	117
Chelenko	4	3	3	5
(Kulubi West) Errer	1	2	2	2
(Kulubi West) Hurso	1	1	1	1
(Kulubi West) Deder	0	0	0	0
(Kulubi West) Gara Wube	0	0	0	0
Kobo (Harerge)	0	0	0	0
Gara Kufa	0	0	0	0
Hirna	0	0	0	0
Dire Dawa	74	79	82	100
Dire Dawa	127	109	116	151
(Dire Dawa) Harar(P1)	0	0	0	0
(Dire Dawa) Melka Jebdu	2	1	1	1
(Dire Dawa) Hurso	0	0	0	0
(Dire Dawa) Shinile	2	2	2	2
(Dire Dawa) Kersa (Harerge)	1	1	1	1
(Dire Dawa) Langie	1	1	1	1
Dengego	64	42	46	63
Alemaya	2	3	3	3
(Dengego) Alemaya University	0	0	0	0
(Dengego) Watter (Tebele)	1	1	1	1
(Dengego) Kurfachele	1	1	1	5
Hakim Gara	68	43	47	60
Harar	52	39	41	44
(Hakim Gara) Gursum	1	1	1	3
(Hakim Gara) Girawa	2	2	2	4
Girawa	1	1	1	1
(Girawa) Bedeno	1	1	1	1
(Hakim Gara) Kombolcha	3	3	3	5
Kombolcha	2	2	2	2
(Kombolcha) Ejersa Goro	1	1	1	1
(Hakim Gara) Aweday	2	1	1	1
(Hakim Gara) Amaressa	2	1	1	1
(Hakim Gara) Bisidimo	1	1	1	1
(Hakim Gara) Bocco (Feddis)	1	1	1	1
(Hakim Gara) Burka (Meyu Burka)	1	1	1	1
(Hakim Gara) Babile	4	2	2	3
Babile	1	1	1	1
(Babile) Fiq	3	1	1	1
Mardepass	25	13	15	18

	Jijiga		16	8	9	9
(Mardapass)	Kebri Beyah		14	9	10	10
		Kebri Beyah	3	4	4	4
	(K Beyah)	Aware	1	1	1	1
	(K Beyah)	Geladin	2	1	1	1
	(K Beyah)	Harti Shek	2	1	1	1
	Degeh Bur		6	2	3	3
		Degehabur	4	1	2	2
	Kebri Dehar		2	1	1	1
(Mardapass)	Subul Chaf		4	2	2	4
		Teferi Ber	3	1	1	2
	(Subul Chaf)	Togo Wuchale	0	0	0	0
	Chinaksen		1	1	1	2
(Mardapass)	Leffisa		2	1	1	0
			0	0	0	0
	Dire Dawa (P1)		2	2	2	3
	Kulubi West (P2)		16	20	24	32
	Kedirare		16	20	24	32
	Worji		16	20	24	32
	Gara Gewril		16	20	24	32
	Gewril Rep.		16	20	24	32
	Kash		16	20	24	32
	Aysha		16	20	24	32
		Aysha	1	1	1	2
	Arrey		15	19	23	30
		Dewale	1	1	1	1
	Arta		14	18	22	29
		Halda	0	0	0	0
		Alisabie	0	0	0	0
	Djibouti		14	18	22	29
	Dalecha (P1)					
	(Dalecha)	Gara Kufa	2	1	1	1
		Hirna	2	1	1	1
	Ades (P1)		2	1	1	1
	Kobo		77	85	92	114
		Kobo	1	1	1	1
	(Kobo)	Deder	2	3	3	3
		Gara Webe	0	0	0	0
	Kulbi West (P3)		0	0	0	0
	(Kulbi W)	Karamile	0	0	0	0
(Harar)	Dawe (Tebo)		1	1	1	1
(Jijiga)	Hamer Hadid		1	1	1	1

S.Table 9.8-1-e Summary of Transmission Capacity (Area-06)

Link	2005	2010	2015	2020
Addis Ababa				
Mt.Furi	70	79	82	88
Meki	70	79	82	88
Ziway West	70	79	82	88
Ziway	9	4	4	5
(Ziway West) Midre Kebd	4	3	3	7
Butajira	2	1	1	3
Butajira	4	3	3	3
(Butajira) Kibet	1	1	1	1
(Butajira) Buie	1	1	1	1
(Ziway West) Adami Tulu	2	1	1	1
(Ziway West) Dalocha	1	1	1	1
(Ziway West) Koshie	1	1	1	1
(Ziway West) Wulbareg	1	1	1	1
(Ziway West) Enseno	2	1	1	1
Arsi Negela	86	89	92	103
Arsi Negela	4	1	1	2
(Arsi Negela) Bulbula	1	1	1	1
(Arsi Negela) Langano	1	1	1	1
Shashemene	92	93	96	110
Shashemene	195	177	183	251
(Shashemene) Kersa	25	20	20	33
Kofele	2	3	3	3
(Kersa) Korie	1	1	1	1
Sebshibe Wash	22	16	16	29
Dodola	4	2	2	2
Dodola	3	1	1	1
(Dodola) Herrero	1	1	1	1
(Sebshibe Wash) Ardaita	0	0	0	0
(Sebshibe Wash) Gobessa	0	0	0	0
(Sebshibe Wash) Adaba	4	3	3	5
(Sebshibe Wash) Asassa	0	0	0	0
Gasera	14	11	11	22
Gasera	1	1	1	1
(Gasera) Mt.Welenchiso	1	1	1	5
Goro	1	1	1	5
(Gasera) Agarfa	0	0	0	0
Bale Goba	13	10	10	17
Goba	10	5	6	9
(Bale Goba) Agarfa Town	0	0	0	0
(Bale Goba) Agarfa Training Center	0	0	0	0
(Bale Goba) Dinsho	1	1	1	1
(Bale Goba) Robe	7	4	5	7
Robe	6	3	4	4
(Robe) Alli	1	1	1	1
Sanete	9	6	6	8
Sanete	0	0	0	0
(Sanete) Ghinir	7	5	5	7
(Ghinir) Ghinir	2	1	1	1
Jara	1	1	1	1
Imi	2	1	1	1
El Kere	2	1	1	1
Tulu Dimtu	2	1	1	1
Meslo	0	0	0	0
Dolomena	2	1	1	1
(Shashemene) Kuyera	1	1	1	1
(Shashemene) Amba	1	1	1	1
(Shashemene) Wondbasha	0	0	0	0
(Shashemene) Mt. Fende	20	24	24	45
Alaba Kulito	4	5	5	6
Hadero	2	1	1	1
(Mt. Fende) Shone	1	1	1	1
(Mt. Fende) Adjie	1	1	1	1
Delbo Wegene Rep.	31	34	34	54
Boditi	0	0	0	0

	Humbo Abo Rep.		31	34	34	54
Abaro			64	46	50	71
	Awassa		32	12	13	17
(Abaro)	Leku		4	3	3	3
(Abaro)	Hossaina		13	9	9	9
		Hossaina	17	12	12	12
	(Hossaina)	Ginbichu	1	1	1	1
	(Hossaina)	Angacha	2	1	1	1
	(Hossaina)	Homecho	1	1	1	1
(Abaro)	Aleta Wondo		0	4	4	6
		Aleta Wondo	0	4	4	6
(Abaro)	Children's Village		0	0	0	0
(Abaro)	Basha		1	1	1	1
(Abaro)	Tulla		1	1	1	1
Waragelama			28	23	26	43
	Yirgalem		5	1	2	2
		Yirgalem	5	1	2	2
	Leku(P1)		0	0	0	0
(Waragelama)	Chuko		2	1	1	1
(Waragelama)	Aleta Wondo(P1)		0	0	0	0
(Waragelama)	Banko		22	13	14	21
		Banko	0	0	0	0
	(Banko)	Wenago	1	1	1	1
	(Banko)	Hagere Selam	1	1	1	1
	Dilla		24	13	14	17
		Dilla	30	17	18	19
	(Dilla)	Bule	1	1	1	1
	(Dilla)	Kebado	2	1	1	1
(Waragelama)	Dilla		0	0	0	0
	Weleita Sodo		0	0	0	0
Kurumi			17	16	17	27
	Yirga Chefe		2	3	3	3
(Kurumi)	Chelelektu		1	1	1	1
(Kurumi)	Fisha Ghenet		1	1	1	1
Hagere Mariam Rep.			13	11	12	20
	Hagere Mariam Town		2	2	2	2
(H.Mariam Rep.)	Legedenbi North		5	2	2	5
		Shakiso	2	1	1	3
	(Legedenbi N)	Kibre Mengist	3	1	1	2
	(Legedenbi N)	Harekello	0	0	0	0
	(Legedenbi N)	Negele Bolena	0	0	0	0
	(Legedenbi N)	Legedenbi	0	0	0	0
Denbela Fura			6	7	8	12
	Yabelo Rep.		0	0	0	0
	Yabelo		0	0	0	0
Tule Bera			6	7	8	11
Mega Rep.			6	7	8	10
	Mega		1	1	1	1
Tuka			5	6	7	9
	Moyale		2	3	3	4
Marza			3	3	4	5
Areka			2	2	2	2
	Areka		2	1	1	1
(Areka)	Soyama		1	1	1	1
Zamine North Rep.			5	6	6	9
	Weleita Sodo		2	3	3	3
		Weleita Sodo	10	4	4	4
	(Sodo)	Zefene	0	0	0	0
Humbo Abo Rep. (P1)			31	32	32	50
Birbir			23	25	25	40
	Birbir		1	1	1	1
(Birbir)	Ezo		1	1	1	1
Koyite			25	27	27	42
Bekele Mola			25	27	27	42
	Arba Minch		42	38	38	44
(Bekele Mola)	Lante		1	1	1	1
(Bekele Mola)	Dorze Lake		3	2	2	4

	Dorzie	1	1	1	1
	Chencha	2	1	1	3
	Haybena Mt.	1	1	1	5
	Konso	1	1	1	5
	Kurumi (P1)	0	0	0	0
	Arba Minch West	4	4	4	9
	Arba Minch (P1)	16	11	11	16
	(Arba Minch W) Geresse	1	1	1	1
	Gidole	15	10	10	12
	Ghidole	2	1	1	1
	Karamercha	13	9	9	11
	Mindore	7	5	5	5
	Mindore	2	1	1	1
	(Mindore) Bulki	1	1	1	1
	Sawla	4	3	3	3
	Key Afer	6	4	4	4
	Jinka	6	4	4	4
	Jinka	3	1	1	1
	(Jinka) Gazer (Bako Gazer)	1	1	1	1
	Bale Goba (P1)	1	1	1	1
	All West	1	1	1	1
	Agarfa	1	1	1	1
	Selka South	0	0	0	0
	Meliyu West	0	0	0	0
	Gore	0	0	0	0
	(Shashemene) Solomo	2	1	1	1
	(Shashemene) Wondo (Wondo Kela)	1	1	1	1
	(Shashemene) Shinshicho	2	1	1	1
	(Shashemene) Alem Tena	1	1	1	1
	(Dilla) Gerba (South)	2	1	1	1
	(Dilla) Amarokelle	1	1	1	1
	(Dilla) Gedeb	1	1	1	1
	(Dilla) Filtu	1	1	1	1
	(Hossaina) Bonesha	1	1	1	1
	(Hossaina) Mudula	1	1	1	1
	(Weleita Sodo) Durame	3	1	1	1

S.Table 9.8-1-e Summary of Transmission Capacity (Area-07)

Link	2005	2010	2015	2020
<Jimma>				
Welisso North	43	48	48	51
Welikite MW	43	48	48	51
Fofa	43	48	48	51
Fofa	1	1	1	1
(Fofa) Assendabo	1	1	1	1
(Fofa) Deneba (Keffa)	1	1	1	1
Muja	46	55	55	73
Jimma	98	87	90	97
Jimma	105	93	96	103
(Jimma) Agaro(P1)	2	1	1	1
Limu Kosa	2	1	1	1
Limu Genet	2	1	1	1
(Jimma) Dedo (Sheki)	1	1	1	1
(Jimma) Seka	1	1	1	1
(Muja) Ambuye	1	1	1	1
(Muja) Atnago	1	1	1	1
(Muja) Billida	1	1	1	1
(Muja) Chiena	1	1	1	1
(Muja) Choche	1	1	1	1
(Muja) Gembie	2	1	1	1
(Muja) Harro	1	1	1	1
(Muja) Limu Seka	1	1	1	1
(Muja) Omonada	1	1	1	1
(Muja) Serbo	1	1	1	1
(Muja) Shay	1	1	1	1
(Muja) Tobba	1	1	1	1
(Muja) Yebu	1	1	1	1
Sembo West	14	8	8	18
Gimbo	2	2	2	5
Gimbo	1	1	1	1
Bonga	1	1	1	2
(Sembo W) Shebie	1	1	1	1
Shebita	11	5	5	9
Walla	11	5	5	9
Mizan Teferi	7	3	3	3
Mizan Teferi	5	2	2	2
Aman	2	1	1	1
(Walla) Majji (Tem)	1	1	1	1
Tepi	3	1	1	5
Muja(P1)	24	15	18	34
Dembi North	24	15	18	34
Dembi	0	2	2	4
(Dembi North) Agaro	4	1	2	2
(Dembi North) Beshasha	1	1	1	1
(Dembi North) Gatera	1	1	1	1
(Dembi North) Sigmo (Sigamo)	1	1	1	1
Arjo MW	25	33	35	68
Chora	22	21	23	35
Chora	1	1	1	1
(Chora) Bedele	1	1	2	6
Gore Rep.	22	19	20	28
Gore	3	1	1	1
(Gore Rep.) Mettu	29	20	20	21
(Gore Rep.) Hurumu	1	1	1	1
(Gore Rep.) Yayu	2	3	3	3
(Gore Rep.) Masha	2	1	1	1
(Gore Rep.) Algie	1	1	1	1
(Gore Rep.) Dega	1	1	1	1
(Gore Rep.) Noppa	1	1	1	1
(Gore Rep.) Supe	1	1	1	1
Awete	13	9	10	15
Bure (Illubabour)	1	1	1	1
Gara Humbi	12	8	9	12
Dembi Dollo	5	1	2	2
(Gara Humbi) Gambela	0	0	0	0
Shebel South	7	7	7	10
Abobo	1	3	3	4
Gambela	8	6	6	8

	Gambela	7	5	5	5
(Gambela)	Itang	3	3	3	5
	Wategch Rep.	1	1	1	3
	Jikawo	1	1	1	3
<Nekemte>					
	Tibebilo	30	33	33	34
	Gedo	2	1	1	1
(Tibebilo)	Ijaji	0	0	0	0
(Tibebilo)	Bako	7	3	3	3
(Tibebilo)	Fincha	3	1	1	1
(Tibebilo)	Shambu	2	1	1	1
(Tibebilo)	Arjo MW	0	0	0	0
(Tibebilo)	Kara Legashi	0	0	0	0
	Sugar Factory	0	0	0	0
Gara Gordomo		40	37	37	38
	Sira (Sire Wellega)	2	1	1	1
(Gara Gordomo)	Gida Ayana	1	1	1	1
Nekemte		39	37	37	38
	Nekemte	84	101	101	141
(Nekemte)	Ghera (Gelila)	2	1	1	1
(Nekemte)	Guyi	1	1	1	1
(Nekemte)	Ayna South	0	0	0	0
	Ayna	0	0	0	0
Arjo MW		39	57	57	95
	Arjo Town	1	1	1	1
(Arjo MW)	Getema	1	1	1	1
(Arjo MW)	Arjo Gudetu	1	1	1	1
Ventiotto (Gimbi-Entoto)		25	26	26	32
	Gimbi	5	6	6	7
(Ventiotto)	Inango	2	1	1	1
Billa South		18	19	19	24
	Billa Town	1	1	1	1
(Billa South)	Guliso	2	1	1	1
(Billa South)	Nejo	3	3	3	3
(Billa South)	Jarso	1	1	1	1
Mendi		9	11	11	12
	Mendi	2	1	1	1
Assossa		7	6	6	7
	Assossa	7	6	6	7
Billa South (P1)		2	2	2	4
Gara Kucho		2	2	2	4
	Alem Teferi	1	1	1	1
(Gara Kucho)	Yubdo	1	1	1	1
Chanka		0	0	0	0
	Chanka	1	1	1	1
(Chanka)	Gidame	1	1	1	1
(Chanka)	Kakie	2	1	1	1
Mojo West		4	3	3	3
Dembi Dolo		4	3	3	3
	Dembi Dolo	9	7	7	7
(Dembi Dolo)	Rob Gebeya	1	1	1	1
Rep.1		3	2	2	2
	Ashu	1	1	1	1
Rep.2		2	1	1	1
Muggi		2	1	1	1
(Jimma)	Babu	1	1	1	1
(Jimma)	Dimtu	1	1	1	1
(Jimma)	Shinshida	1	1	1	1
(Mettu)	Becho	1	1	1	1
(Mettu)	Darimu (Dipa)	1	1	1	1
(Mettu)	Fogleka (Leka)	1	1	1	1
(Mettu)	Ouka	1	1	1	1
(Dembi Dolo)	Lalokile (Lolo)	1	1	1	1
(Nekemte)	Dongoro	1	1	1	1
(Nekemte)	Gutin	1	1	1	1
(Nekemte)	Homma	1	1	1	1
(Nekemte)	Nole Kaba	1	1	1	1
(Nekemte)	Werejiru	1	1	1	1

S.Table 9.8-1-e

Summary of Transmission Capacity (Area-08)

Link	2005	2010	2015	2020
Tik Giorgis	56	80	86	99
Dejen	2	3	3	7
(Tik Giorgis) Bichena	2	1	1	1
(Tik Giorgis) Aba Falassie	5	4	4	10
Aba Falassie	0	0	0	0
(Aba Falassie) Felege Birhan	1	1	1	1
Debre Work	4	3	3	7
(Tik Giorgis) Kuyi	1	1	1	1
Robit	64	85	91	104
Robit	0	0	0	0
Debre Markos	64	85	91	109
Debre Markos	47	22	24	33
(Debre Markos) Gemjabet Mariam	1	1	1	1
(Debre Markos) Engibara(Kosso Ber)(P1)	0	0	0	0
(Debre Markos) Lumane	1	1	1	1
(Debre Markos) Yejube	1	1	1	1
Amanuel North	90	94	102	128
Amanuel	1	3	3	3
(Amanuel North) Dembecha	5	2	2	3
Dembecha	3	1	1	2
(Dembecha) Jiga	2	1	1	1
Gara Jobel	84	97	105	132
Bure	3	3	3	4
(Gara Jobel) Finote Selam	4	3	4	4
Gara Beteria	79	101	108	140
Kosober (Injibara)	3	1	1	2
(Gara Beteria) Gara Kar	7	8	8	13
Chagni	5	3	3	6
(Gara Kar) Gilgel Beles	0	0	0	0
(Gara Kar) Pawe	2	5	5	7
(Gara Kar) Metekel	0	0	0	0
(Gara Kar) Alemu Town	0	0	0	0
(Gara Beteria) Kessa	1	1	1	1
Merawi North	84	111	118	160
Merawi	4	3	3	3
(Merawi North) Dangla	7	8	8	11
Dangla	12	8	8	9
(Dangla) Abechekli (Durbete)	1	1	1	1
(Dangla) Addis Kidame	1	1	1	1
(Merawi North) Adet North	6	4	4	10
Adet	4	3	3	7
Tis Abay	2	1	1	1
(Merawi North) Debre Mewi (Adet North)	5	2	2	3
Motta	5	2	2	3
(Merawi North) Gilgel Abay (Wetet)	1	1	1	1
(Merawi North) Hamsuit East(P1)	1	1	1	1
Hamsuit	1	1	1	1
(Hamsuit East) Ambassame (Dera)	1	1	1	1
Addis Zemen(P1)	0	0	0	0
Bahir Dar	100	143	150	209
Bahir Dar	142	159	169	239
(Bahir Dar) Debre Work	0	0	0	0
(Bahir Dar) Meketel	0	0	0	0
(Bahir Dar) Kunzla	1	1	1	1
(Bahir Dar) Meshenti	1	1	1	1
Wash Indrias	73	70	70	95
Debre Tabor	11	5	6	7
(Wash Indrias) Woreta	4	6	6	6
Wereta	2	1	1	1
Addis Zemen	2	3	3	3
(Wash Indrias) Debre Tabor Rep.	7	16	16	18
Ibnet	1	7	7	7
(Debre Tabor Rep.) Hudad	2	2	2	2
Iste	2	2	2	2
(Debre Tabor Rep.) Arga	3	6	6	8

	Nefas Mewcha	3	6	6	8
	N Mewcha	2	1	1	1
	(N Mewcha) Semada	1	1	1	1
	(Debre Tabor Rep.) Hamsuit East	1	1	1	1
Gomita		52	47	46	66
Gondar		57	47	46	66
	Gondar	81	58	57	64
Subnaber		2	1	1	1
	Azezo	2	1	1	1
Gondar (P1)		28	26	27	41
Girgi North		28	26	27	41
Ambezo		8	7	7	18
	Gedebghie	1	1	1	1
Dabat West		7	6	6	17
	Amba Giorgis	1	3	3	3
(Dabat West)	Tekil Dingay	1	1	1	3
Wekin		5	2	2	11
	Wekin	0	0	0	2
(Wekin)	Dabat	2	1	1	3
(Wekin)	Debark	3	1	1	3
Shehazel		0	0	0	3
Adi Arkay		0	0	0	3
May Tsemri		0	0	0	1
Adiguna		0	0	0	0
	Adiguna	0	0	0	0
(Adiguna)	Indabaguna	0	0	0	0
Azemach Reday		0	0	0	0
Koyetsa		0	0	0	0
Girgi North (P1)		20	19	20	23
	Delgi	4	3	3	3
(Girgi North)	Goagora	1	1	1	1
(Girgi North)	Fendiba	6	5	5	5
	Kola Diba	4	3	3	3
	(Fendiba) Infraz	1	1	1	1
	Chewahit	1	1	1	1
(Girgi North)	Maksegnt	1	1	1	1
(Girgi North)	Ambezo Rep.	0	0	0	0
Chilga		8	9	10	13
	Chilga	2	3	3	3
Sebatu Terrara		6	6	7	10
	Serba	1	1	1	1
Shendi South		5	5	6	9
	Shendi	2	1	1	1
Mandefro Terara		3	4	5	8
	Metema	1	1	1	3
Dollar Hill		2	3	4	5
(Bahir Dar)	M/Lemariam	1	1	1	1
(Dangla)	Masnkusa	1	1	1	1
(Dangla)	Tilile	2	1	1	1
(Debre Markos)	Yechereka	1	1	1	1
(Debre Markos)	Yitmen	1	1	1	1
(Gondar)	Shawra	1	1	1	1
(Gondar)	Stej	2	1	1	1
(Gondar)	Teda	1	1	1	1

Supplement to Tables of S-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 <u>the link between the station of the row and the station of the same column in the one upper row.</u>
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 <u>the link between the station of the row and the station of the one left column in the one upper row.</u>
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 <u>closest upper row.</u>
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-e Summary of Transmission Capacity (Area-01)

Link	2005	2010	2015	2020
<South & East>				
1 Addis Ababa	63	16	18	22
2 Mt.Furi	63	16	18	22
3 Akaki Beseka	33	8	9	12
4 Dukem	3	1	1	1
5 Adama West	27	7	8	9
6 (Adama West) Bijo	27	7	8	9
7 Debre Zeit	25	6	7	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-e Summary of Transmission Capacity (Area-01)

Link	2005	2010	2015	2020
<North & NEast>				
7 (Ankober North) Debre Sina	6	5	5	9
Debre Sina	2	1	1	1
(Debre Sina) Armania	1	1	1	1
(Debre Sina) Mezezo	1	1	1	1
(Debre Sina) Molale	1	1	1	1
(Debre Sina) Sala Dingay	1	1	1	1
(Ankober North) Aliyu Amba	1	1	1	1
Ambalay South	0	0	0	0

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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