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Branch Losses Summary Report

CKT / Branch ID	From-To Bus Flow		To-From Bus Flow		Losses		% Bus Voltage		Vd % Drop in Vmag
	kW	kvar	kW	kvar	kW	kvar	From	To	
R36	2569.5	1255.3	-2569.4	-1255.2	0.1	0.1	100.0	100.0	0.01
C61	929.5	399.5	-929.5	-399.5	0.0	0.0	100.0	100.0	0.00
C96	1639.9	855.7	-1639.8	-855.6	0.1	0.1	100.0	100.0	0.01
R106	929.5	399.5	-929.4	-399.4	0.1	0.0	100.0	100.0	0.01
R190	905.5	388.0	-905.4	-388.0	0.1	0.1	100.0	100.0	0.01
T25 Rasmi wahab	24.0	11.4	-23.9	-11.3	0.0	0.1	100.0	99.6	0.34
R436	905.4	388.0	-905.2	-387.8	0.2	0.1	100.0	100.0	0.02
C59	782.1	316.6	-782.1	-316.6	0.0	0.0	100.0	99.9	0.00
T4 Bear mtawi'	123.1	71.2	-122.9	-69.8	0.2	1.4	100.0	99.3	0.62
C514	165.6	74.9	-165.6	-74.9	0.0	0.0	99.9	99.9	0.00
Co600	616.5	241.7	-616.4	-241.6	0.1	0.1	99.9	99.9	0.01
C463	15.8	6.0	-15.8	-6.0	0.0	0.0	99.9	99.9	0.00
C526	149.8	69.0	-149.8	-69.0	0.0	0.0	99.9	99.9	0.00
T47 Abu_njeem 1	15.8	6.0	-15.8	-5.9	0.0	0.1	99.9	99.6	0.37
C422	119.2	57.2	-119.2	-57.2	0.0	0.0	99.9	99.9	0.00
T42 Abu njeem 2	30.6	11.7	-30.5	-11.5	0.1	0.2	99.9	99.6	0.39
C193	22.9	12.4	-22.9	-12.4	0.0	0.0	99.9	99.9	0.00
T5 Wad algamary 1	96.3	44.8	-96.0	-43.6	0.3	1.2	99.9	99.2	0.73
R455	22.9	12.4	-22.9	-12.4	0.0	0.0	99.9	99.9	0.00
T6 Wad algamary 2	22.9	12.4	-22.8	-12.3	0.0	0.1	99.9	99.6	0.35
C473	1615.7	795.7	-1615.3	-795.4	0.5	0.3	100.0	100.0	0.03
T20 Aqabit al_tarsha	24.0	59.9	-23.8	-59.2	0.3	0.7	100.0	98.9	1.14
C246	1597.2	596.9	-1597.0	-596.8	0.2	0.1	100.0	99.9	0.01
C330	15.8	6.0	-15.8	-6.0	0.0	0.0	100.0	100.0	0.00
T2 Mothalath Al_borg	2.2	192.5	-1.8	-189.9	0.4	2.6	100.0	98.6	1.33
T54 Wad algamary 3	15.8	6.0	-15.8	-5.9	0.0	0.1	100.0	99.6	0.37
C128	1541.1	580.3	-1541.0	-580.2	0.1	0.1	99.9	99.9	0.01
T17 Al_baladiya	55.9	16.5	-55.8	-16.1	0.1	0.4	99.9	99.6	0.32
C80	171.8	60.4	-171.8	-60.4	0.0	0.0	99.9	99.9	0.00
C162	1369.2	519.9	-1369.1	-519.8	0.1	0.1	99.9	99.9	0.01
C622	46.8	19.3	-46.8	-19.3	0.0	0.0	99.9	99.9	0.00
T7 Al_deir 1	125.0	41.0	-124.5	-39.2	0.5	1.8	99.9	99.2	0.76
T24 Al-deire 2	46.8	19.3	-46.7	-18.9	0.2	0.4	99.9	99.3	0.62
C56	246.0	91.9	-246.0	-91.9	0.0	0.0	99.9	99.9	0.00
C191	1123.2	427.9	-1123.1	-427.8	0.1	0.1	99.9	99.9	0.01

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	kW	kvar	kW	kvar	kW	kvar	From	To	
T1 Al-masjid Al_kaber	-179.3	-63.6	179.7	66.1	0.4	2.5	99.3	99.9	0.65
C727	66.3	25.8	-66.3	-25.8	0.0	0.0	99.9	99.9	0.00
R950	66.3	25.8	-66.3	-25.8	0.0	0.0	99.9	99.9	0.00
R410	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
T50 Al-baha	52.1	19.7	-51.7	-19.0	0.5	0.7	99.9	98.7	1.22
R1499	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
T49 Shweki	14.2	6.0	-14.1	-6.0	0.0	0.1	99.9	99.6	0.35
C160	1123.1	427.8	-1123.0	-427.8	0.1	0.0	99.9	99.9	0.01
C97	1107.2	421.8	-1107.1	-421.8	0.0	0.0	99.9	99.9	0.00
T52 Bank al_eskan	15.8	6.0	-15.8	-5.9	0.0	0.1	99.9	99.5	0.37
C120	859.7	335.7	-859.7	-335.7	0.0	0.0	99.9	99.9	0.00
C450	67.8	19.9	-67.8	-19.9	0.0	0.0	99.9	99.9	0.00
T3 Maskaneh	179.6	66.1	-179.2	-63.6	0.4	2.5	99.9	99.3	0.65
T29 Juret al_dama	67.8	19.9	-67.4	-19.1	0.3	0.8	99.9	99.1	0.76
C216	859.7	335.7	-859.6	-335.7	0.1	0.0	99.9	99.9	0.01
C100	68.9	21.9	-68.9	-21.9	0.0	0.0	99.9	99.9	0.00
C361	677.1	261.6	-677.0	-261.5	0.1	0.0	99.9	99.9	0.01
T18 Al_sheehk	113.6	52.2	-113.2	-50.5	0.4	1.7	99.9	99.0	0.85
T14 Al_markaz	-68.8	-21.3	68.9	21.9	0.1	0.6	99.5	99.9	0.42
C163	437.0	175.3	-437.0	-175.2	0.0	0.0	99.9	99.9	0.00
C728	115.0	45.2	-115.0	-45.2	0.0	0.0	99.9	99.9	0.00
T9 Abu al_humas	125.0	41.0	-124.5	-39.2	0.5	1.9	99.9	99.1	0.76
C462	68.3	26.0	-68.3	-26.0	0.0	0.0	99.9	99.9	0.00
T13 Qata't al_jamal	46.8	19.2	-46.7	-18.9	0.1	0.3	99.9	99.6	0.33
C280	52.4	13.7	-52.4	-13.7	0.0	0.0	99.9	99.9	0.00
T55 Mana'	15.9	12.3	-15.9	-12.3	0.0	0.1	99.9	99.6	0.31
C419	52.4	13.7	-52.4	-13.7	0.0	0.0	99.9	99.9	0.00
T37 Eshreeteh	-52.2	-13.2	52.4	13.7	0.2	0.5	99.3	99.9	0.56
C365	383.3	160.7	-383.3	-160.7	0.0	0.0	99.9	99.9	0.01
C409	53.7	14.5	-53.7	-14.5	0.0	0.0	99.9	99.9	0.00
T39 Jammoq	-53.5	-14.0	53.7	14.5	0.2	0.5	99.3	99.9	0.59
C603	337.1	143.6	-337.1	-143.6	0.0	0.0	99.9	99.9	0.01
T45 Masafi	46.2	17.1	-46.0	-16.7	0.2	0.4	99.9	99.3	0.58
C203	-10.4	-35.7	10.4	35.7	0.0	0.0	99.9	99.9	0.00
C399	262.3	145.1	-262.3	-145.1	0.0	0.0	99.9	99.9	0.00
T10 Meqtaa' duma	85.2	34.1	-85.0	-33.2	0.2	0.9	99.9	99.3	0.59
C117	238.3	133.7	-238.3	-133.7	0.0	0.0	99.9	99.9	0.00

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	kW	kvar	kW	kvar	kW	kvar	From	To	
T22 Da'na	24.0	11.4	-23.9	-11.3	0.0	0.1	99.9	99.5	0.34
C476	114.4	41.6	-114.4	-41.6	0.0	0.0	99.9	99.9	0.00
Co57	68.0	75.6	-68.0	-75.6	0.0	0.0	99.9	99.9	0.00
T16 Sa'ada	55.9	16.5	-55.8	-16.1	0.1	0.4	99.9	99.5	0.32
C319	68.0	75.6	-68.0	-75.6	0.0	0.0	99.9	99.9	0.00
T53 Al_tork	-67.9	-74.9	68.0	75.6	0.1	0.7	99.3	99.9	0.60
C587	67.6	22.3	-67.6	-22.3	0.0	0.0	99.9	99.9	0.00
T21 Al_mustashfah	46.8	19.3	-46.6	-18.9	0.2	0.4	99.9	99.2	0.62
T28 Domet al_wridat	67.6	22.3	-67.3	-21.5	0.3	0.8	99.9	99.1	0.80
C322	-10.4	-35.7	10.4	35.7	0.0	0.0	99.9	99.9	0.00
C461	24.0	8.7	-24.0	-8.7	0.0	0.0	99.9	99.9	0.00
C577	-66.5	-57.9	66.5	57.9	0.0	0.0	99.9	99.9	0.00
T43 Al_jame'a	32.1	13.5	-32.0	-13.3	0.1	0.2	99.9	99.4	0.43
T32 Khalet al_ayaseh	-24.0	-8.6	24.0	8.7	0.0	0.1	99.6	99.9	0.30
C107	84.5	29.1	-84.5	-29.1	0.0	0.0	99.9	99.9	0.00
C518	-151.0	-86.9	151.0	86.9	0.0	0.0	99.9	99.9	0.00
T12 Aqabit gharrarah	84.5	29.1	-84.2	-28.3	0.3	0.8	99.9	99.2	0.64
C517	-222.4	-113.7	222.4	113.7	0.0	0.0	99.9	99.9	0.00
R803	71.4	26.7	-71.4	-26.7	0.0	0.0	99.9	99.9	0.00
C815	-264.5	-123.4	264.5	123.4	0.0	0.0	99.9	99.9	0.01
T19 Kerbit alama	42.1	9.7	-41.9	-9.4	0.1	0.3	99.9	99.5	0.43
C.450	-302.6	-136.6	302.7	136.6	0.0	0.0	99.9	99.9	0.01
R560	0.0	0.0	0.0	0.0			99.9	99.9	0.00
T38 Al_muhtasib	38.1	13.2	-38.0	-13.0	0.1	0.3	99.9	99.4	0.46
C880	-302.7	-136.6	302.7	136.6	0.0	0.0	99.9	99.9	0.01
T46 Al_jebreni	71.0	37.9	-70.6	-36.8	0.4	1.1	99.9	98.8	1.08
T23 Kurza	71.4	26.7	-71.1	-25.8	0.4	1.0	99.9	99.0	0.90
Co130	616.4	241.6	-616.4	-241.6	0.0	0.0	99.9	99.9	0.00
Co58	98.2	36.0	-98.2	-36.0	0.0	0.0	99.9	99.9	0.00
R164	445.7	168.7	-445.7	-168.7	0.0	0.0	99.9	99.9	0.00
R844	15.8	6.0	-15.8	-6.0	0.0	0.0	99.9	99.9	0.00
T26 Baten alqar'	56.7	30.9	-56.4	-30.2	0.3	0.7	99.9	99.1	0.87
T34 Al_shadaqa	-15.8	-5.9	15.8	6.0	0.0	0.0	99.7	99.9	0.20
Co999	91.7	33.7	-91.7	-33.7	0.0	0.0	99.9	99.9	0.00
T40 Al_helal	6.5	2.3	-6.5	-2.2	0.0	0.0	99.9	99.9	0.08
Co294	75.9	27.8	-75.9	-27.8	0.0	0.0	99.9	99.9	0.00
T33 Al_mizrab	15.8	6.0	-15.8	-5.9	0.0	0.0	99.9	99.7	0.20

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	kW	kvar	kW	kvar	kW	kvar	From	To	
D711	75.9	27.8	-75.9	-27.8	0.0	0.0	99.9	99.9	0.00
D655	75.9	27.8	-75.9	-27.8	0.0	0.0	99.9	99.9	0.00
D634	44.7	17.8	-44.7	-17.8	0.0	0.0	99.9	99.9	0.00
T27 Al_muntazah	31.2	10.0	-31.1	-9.8	0.1	0.2	99.9	99.6	0.37
D718	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
T41 Al_muntazah 2	30.6	11.7	-30.5	-11.5	0.1	0.2	99.9	99.5	0.39
D240	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
D256	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
D276	14.2	6.0	-14.2	-6.0	0.0	0.0	99.9	99.9	0.00
T48 Inab al_kabeer	-14.1	-6.0	14.2	6.0	0.0	0.1	99.6	99.9	0.35
R734	445.7	168.7	-445.6	-168.7	0.1	0.1	99.9	99.9	0.02
C352	392.0	149.7	-391.9	-149.6	0.0	0.0	99.9	99.9	0.01
T51 Inab al_sagher	53.7	19.0	-53.2	-18.3	0.5	0.8	99.9	98.7	1.22
C558	40.4	13.9	-40.4	-13.9	0.0	0.0	99.9	99.9	0.00
C806	351.5	135.8	-351.5	-135.8	0.0	0.0	99.9	99.9	0.01
T35 Al_shuqfan	-40.1	-13.4	40.4	13.9	0.3	0.4	99.0	99.9	0.91
R150	220.5	87.5	-220.4	-87.5	0.0	0.0	99.9	99.9	0.00
R1435	74.6	29.4	-74.6	-29.4	0.0	0.0	99.9	99.9	0.00
T8 Karam al_ashqar	56.4	18.9	-56.3	-18.5	0.1	0.4	99.9	99.5	0.35
Co261	27.1	10.6	-27.1	-10.6	0.0	0.0	99.9	99.9	0.00
T30 Kafar joul	47.6	18.7	-47.4	-18.3	0.2	0.4	99.9	99.3	0.62
Co645	27.1	10.6	-27.1	-10.6	0.0	0.0	99.9	99.9	0.00
Co528	11.3	4.7	-11.3	-4.7	0.0	0.0	99.9	99.9	0.00
T36 Al_estad	15.8	6.0	-15.8	-5.9	0.0	0.0	99.9	99.7	0.20
Co14	0.0	0.0	0.0	0.0			99.9	99.9	
R10	11.3	4.7	-11.3	-4.7	0.0	0.0	99.9	99.9	0.00
T44 Alghwla	-11.2	-4.7	11.3	4.7	0.0	0.0	99.7	99.9	0.15
R380	220.4	87.5	-220.4	-87.5	0.0	0.0	99.9	99.9	0.01
C.20	220.4	87.5	-220.4	-87.5	0.0	0.0	99.9	99.9	0.00
R45	220.4	87.5	-220.4	-87.5	0.0	0.0	99.9	99.9	0.00
C368	113.6	52.2	-113.6	-52.2	0.0	0.0	99.9	99.9	0.00
C811	106.8	35.3	-106.8	-35.3	0.0	0.0	99.9	99.9	0.00
T15 Abu hashim	113.6	52.2	-113.2	-50.5	0.4	1.7	99.9	99.0	0.85
C60	0.0	0.0	0.0	0.0			99.9	99.9	0.00
C440	-14.2	-6.0	14.2	6.0	0.0	0.0	99.9	99.9	0.00
T31 Sam'a	14.2	6.0	-14.1	-6.0	0.0	0.0	99.9	99.7	0.19
Co260	0.0	0.0	0.0	0.0			99.9	99.9	0.00

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	kW	kvar	kW	kvar	kW	kvar	From	To	
Co.1032	0.0	0.0	0.0	0.0			99.9	99.9	
T11 Wad ali	92.6	29.3	-92.4	-28.3	0.3	1.0	99.9	99.3	0.56
T56 Al jebreny step up	380.0	184.0	-373.7	-174.5	6.3	9.5	99.8	99.9	0.13
					18.7	45.6			

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