

Project:  
Location:  
Contract:  
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Filename: ali

ETAP  
12.6.0H  
  
Study Case: LF

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Revision: Base  
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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
	MW	Mvar	MW	Mvar	kW	kvar	From	To	
Cable1	202.557	64.742	-202.442	-64.518	115.3	224.4	99.7	99.6	0.08
Cable3	202.557	64.742	-202.442	-64.518	115.3	224.4	99.7	99.6	0.08
Line1	-146.629	-47.719	146.819	48.341	189.9	621.4	99.7	100.0	0.27
Line3	-293.259	-95.332	293.638	96.788	379.8	1456.3	99.7	100.0	0.27
T1	34.773	13.567	-34.758	-12.914	15.6	653.5	99.7	99.1	0.66
Line15	184.960	64.816	-183.282	-59.051	1678.5	5764.7	99.6	97.8	1.86
Line16	184.960	64.816	-183.282	-59.051	1678.5	5764.7	99.6	97.8	1.86
T2	34.964	-0.597	-34.748	1.129	215.7	532.7	99.6	99.1	0.58
Line4	17.376	2.946	-17.326	-2.722	50.0	223.8	99.1	98.6	0.48
Line5	17.376	2.946	-17.326	-2.722	50.0	223.8	99.1	98.6	0.48
Line7	17.376	2.946	-17.326	-2.722	50.0	223.8	99.1	98.6	0.48
Line6	17.376	2.946	-17.326	-2.722	50.0	223.8	99.1	98.6	0.48
Line44	11.632	4.949	-11.607	-4.836	25.0	112.6	98.6	98.1	0.53
Line45	11.932	5.091	-11.905	-4.960	26.4	130.7	98.6	98.0	0.58
Line46	11.933	5.080	-11.907	-4.961	26.3	118.8	98.6	98.0	0.55
Line47	11.933	5.080	-11.907	-4.961	26.3	118.8	98.6	98.0	0.55
Line48	10.938	5.064	-10.915	-4.961	22.8	102.1	98.6	98.1	0.53
Line49	10.938	5.064	-10.915	-4.961	22.8	102.1	98.6	98.1	0.53
Line14	48.802	16.791	-48.358	-15.074	444.8	1716.6	97.3	95.5	1.81
Cable7	-136.990	-40.894	137.044	40.999	54.2	105.6	97.7	97.8	0.06
Cable8	-136.990	-40.894	137.044	40.999	54.2	105.6	97.7	97.8	0.06
Line27	93.110	25.021	-92.506	-23.693	604.2	1327.9	97.7	96.5	1.19
Line28	93.110	25.021	-92.506	-23.693	604.2	1327.9	97.7	96.5	1.19
T5	87.760	31.745	-87.733	-30.605	27.1	1139.5	97.7	97.3	0.43
T6	92.475	36.104	-92.444	-34.816	30.7	1287.9	97.8	97.3	0.48
Line17	48.802	16.791	-48.358	-15.074	444.8	1716.6	97.3	95.5	1.81
Line18	41.286	15.920	-40.959	-14.435	327.0	1484.8	97.3	95.5	1.81
Line19	41.286	15.920	-40.959	-14.435	327.0	1484.8	97.3	95.5	1.81
Line56	29.484	13.016	-29.311	-12.213	173.4	802.7	95.5	94.1	1.41
Line57	29.484	13.016	-29.311	-12.213	173.4	802.7	95.5	94.1	1.41
Line58	29.484	13.016	-29.311	-12.213	173.4	802.7	95.5	94.1	1.41
Line59	29.484	13.016	-29.311	-12.213	173.4	802.7	95.5	94.1	1.41
Line60	27.271	11.986	-27.123	-11.301	148.1	685.2	95.5	94.2	1.31
Line61	33.425	13.209	-33.210	-12.210	215.6	999.1	95.5	94.0	1.48
Line26	39.404	13.964	-39.103	-12.596	301.3	1368.1	95.8	94.1	1.66

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	MW	Mvar	MW	Mvar	kW	kvar	From	To	
Cable11	-40.769	-12.185	40.774	12.195	4.9	9.6	96.5	96.5	0.02
Cable12	-40.769	-12.185	40.774	12.195	4.9	9.6	96.5	96.5	0.02
Line33	13.397	-5.397	-13.385	4.578	11.8	-819.1	96.5	96.6	0.03
Line34	13.397	-5.397	-13.385	4.578	11.8	-819.1	96.5	96.6	0.03
T9	54.745	35.165	-54.718	-34.257	26.6	908.5	96.5	95.8	0.76
T10	103.464	22.997	-102.898	-21.600	565.4	1396.6	96.5	95.8	0.77
Line29	39.404	13.964	-39.103	-12.596	301.3	1368.1	95.8	94.1	1.66
Line30	39.404	13.964	-39.103	-12.596	301.3	1368.1	95.8	94.1	1.66
Line31	39.404	13.964	-39.103	-12.596	301.3	1368.1	95.8	94.1	1.66
Line62	25.417	11.312	-25.284	-10.697	133.0	615.2	94.1	92.9	1.25
Line63	25.417	11.312	-25.284	-10.697	133.0	615.2	94.1	92.9	1.25
Line64	26.396	11.353	-26.254	-10.696	141.9	656.5	94.1	92.8	1.26
Line65	26.388	11.413	-26.246	-10.693	142.3	720.2	94.1	92.8	1.35
Line66	26.396	11.353	-26.254	-10.696	141.9	656.5	94.1	92.8	1.26
Line67	26.396	11.353	-26.254	-10.696	141.9	656.5	94.1	92.8	1.26
Line32	6.678	-2.394	-6.669	2.429	8.5	34.8	96.8	96.9	0.07
Cable13	-3.657	2.367	3.657	-2.367	0.1	0.1	96.6	96.6	0.00
Cable14	-3.657	2.367	3.657	-2.367	0.1	0.1	96.6	96.6	0.00
T11	7.315	-4.735	-7.266	4.856	48.9	120.8	96.6	96.8	0.28
T12	19.455	-4.422	-19.445	4.720	10.1	298.7	96.6	96.8	0.28
Line35	6.678	-2.394	-6.669	2.429	8.5	34.8	96.8	96.9	0.07
Line36	6.678	-2.394	-6.669	2.429	8.5	34.8	96.8	96.9	0.07
Line37	6.678	-2.394	-6.669	2.429	8.5	34.8	96.8	96.9	0.07
Line74	8.892	3.022	-8.878	-2.959	14.3	62.9	96.9	96.5	0.36
Line75	8.892	3.022	-8.878	-2.959	14.3	62.9	96.9	96.5	0.36
Line76	8.892	3.022	-8.878	-2.959	14.3	62.9	96.9	96.5	0.36
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