

Project:
Location:
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ETAP
12.6.0H

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Branch Connections

CKT/Branch			Connected Bus ID		% Impedance, Pos. Seq., 100 MVA			
ID	Conn.	Type	From Bus	To Bus	R	X	Z	Y
C.20	3-Phase	Cable	Bus195	Bus196	0.06	0.04	0.07	
C56	3-Phase	Cable	Bus38	Bus42	0.16	0.11	0.20	
C59	3-Phase	Cable	Bus7	Bus9	0.17	0.12	0.21	
C60	3-Phase	Cable	Bus201	Bus204	1.08	0.74	1.31	
C61	3-Phase	Cable	Bus2	Bus3	0.18	0.12	0.22	
C80	3-Phase	Cable	Bus31	Bus32	0.24	0.16	0.29	
C96	3-Phase	Cable	Bus2	Bus21	0.28	0.19	0.34	
C97	3-Phase	Cable	Bus54	Bus57	0.29	0.20	0.35	
C100	3-Phase	Cable	Bus64	Bus69	0.29	0.20	0.36	
C107	3-Phase	Cable	Bus121	Bus124	0.31	0.21	0.38	
C117	3-Phase	Cable	Bus93	Bus96	0.34	0.24	0.42	
C120	3-Phase	Cable	Bus57	Bus63	0.35	0.24	0.43	
C128	3-Phase	Cable	Bus28	Bus31	0.38	0.26	0.46	
C160	3-Phase	Cable	Bus53	Bus54	0.47	0.32	0.57	
C162	3-Phase	Cable	Bus31	Bus38	0.48	0.33	0.58	
C163	3-Phase	Cable	Bus70	Bus83	0.48	0.33	0.58	
C191	3-Phase	Cable	Bus38	Bus53	0.56	0.38	0.68	
C193	3-Phase	Cable	Bus15	Bus17	0.57	0.39	0.69	
C203	3-Phase	Cable	Bus90	Bus113	0.60	0.41	0.72	
C216	3-Phase	Cable	Bus63	Bus64	0.63	0.44	0.77	
C246	3-Phase	Cable	Bus24	Bus28	0.72	0.50	0.88	
C280	3-Phase	Cable	Bus76	Bus79	0.82	0.57	1.00	
C319	3-Phase	Cable	Bus99	Bus102	0.94	0.64	1.14	
C322	3-Phase	Cable	Bus113	Bus114	0.95	0.65	1.15	
C330	3-Phase	Cable	Bus24	Bus26	0.97	0.67	1.18	
C352	3-Phase	Cable	Bus173	Bus176	1.03	0.71	1.26	
C361	3-Phase	Cable	Bus64	Bus70	1.06	0.73	1.28	
C365	3-Phase	Cable	Bus83	Bus87	1.06	0.73	1.28	
C368	3-Phase	Cable	Bus197	Bus198	1.08	0.74	1.31	
C399	3-Phase	Cable	Bus90	Bus93	1.17	0.81	1.42	
C409	3-Phase	Cable	Bus83	Bus86	1.35	0.93	1.64	
C419	3-Phase	Cable	Bus79	Bus82	1.23	0.85	1.49	
C422	3-Phase	Cable	Bus13	Bus15	1.24	0.85	1.50	
C440	3-Phase	Cable	Bus209	Bus201	1.29	0.89	1.57	
C450	3-Phase	Cable	Bus57	Bus60	1.32	0.91	1.60	
C.450	3-Phase	Cable	Bus132	Bus135	1.32	0.91	1.60	
C461	3-Phase	Cable	Bus114	Bus120	1.36	0.93	1.65	

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C462	3-Phase	Cable	Bus73	Bus76	1.35	0.93	1.64	
C463	3-Phase	Cable	Bus10	Bus11	1.36	0.94	1.65	
C473	3-Phase	Cable	Bus21	Bus24	1.39	0.96	1.69	
C476	3-Phase	Cable	Bus96	Bus103	1.40	0.96	1.70	
C514	3-Phase	Cable	Bus9	Bus10	1.51	1.04	1.83	
C517	3-Phase	Cable	Bus126	Bus127	1.52	1.04	1.84	
C518	3-Phase	Cable	Bus121	Bus126	1.52	1.05	1.85	
C526	3-Phase	Cable	Bus10	Bus13	1.55	1.06	1.88	
C558	3-Phase	Cable	Bus176	Bus179	1.64	1.13	1.99	
C577	3-Phase	Cable	Bus114	Bus121	1.69	1.16	2.05	
C587	3-Phase	Cable	Bus103	Bus106	1.72	1.19	2.09	
C603	3-Phase	Cable	Bus87	Bus90	1.77	1.22	2.15	
C622	3-Phase	Cable	Bus32	Bus35	1.83	1.26	2.22	
C727	3-Phase	Cable	Bus42	Bus43	2.14	1.47	2.59	
C728	3-Phase	Cable	Bus70	Bus73	2.14	1.47	2.60	
C806	3-Phase	Cable	Bus176	Bus180	2.37	1.63	2.87	
C811	3-Phase	Cable	Bus197	Bus209	2.38	1.64	2.89	
C815	3-Phase	Cable	Bus127	Bus132	2.39	1.65	2.91	
C880	3-Phase	Cable	Bus135	Bus138	2.59	1.78	3.14	
T1 Al-masjid Al_kaber	3-Phase	2W XFMR	Bus42	Bus41	109.49	689.78	698.41	
T2 Mothalath Al_borg	3-Phase	2W XFMR	Bus24	Bus25	109.49	689.78	698.41	
T3 Maskaneh	3-Phase	2W XFMR	Bus57	Bus59	109.49	689.78	698.41	
T4 Bear mtawi'	3-Phase	2W XFMR	Bus7	Bus8	109.49	689.78	698.41	
T5 Wad algamary 1	3-Phase	2W XFMR	Bus15	Bus20	266.79	1067.16	1100.00	
T6 Wad algamary 2	3-Phase	2W XFMR	Bus18	Bus19	653.65	1634.12	1760.00	
T7 Al_deir l	3-Phase	2W XFMR	Bus32	Bus34	266.79	1067.16	1100.00	
T8 Karam al_ashqar	3-Phase	2W XFMR	Bus180	Bus208	266.79	1067.16	1100.00	
T9 Abu al_humas	3-Phase	2W XFMR	Bus70	Bus72	266.79	1067.16	1100.00	
T10 Meqtaa' duma	3-Phase	2W XFMR	Bus90	Bus92	266.79	1067.16	1100.00	
T11 Wad ali	3-Phase	2W XFMR	Bus209	Bus211	266.79	1067.16	1100.00	
T12 Aqabit gharrarah	3-Phase	2W XFMR	Bus124	Bus125	408.53	1021.32	1100.00	
T13 Qata't al_jamal	3-Phase	2W XFMR	Bus73	Bus75	266.79	1067.16	1100.00	
T14 Al_markaz	3-Phase	2W XFMR	Bus69	Bus68	266.79	1067.16	1100.00	
T15 Abu hashim	3-Phase	2W XFMR	Bus198	Bus200	266.79	1067.16	1100.00	
T16 Sa'ada	3-Phase	2W XFMR	Bus96	Bus98	266.79	1067.16	1100.00	
T17 Al_baladiya	3-Phase	2W XFMR	Bus28	Bus30	266.79	1067.16	1100.00	
T18 Al_sheehk	3-Phase	2W XFMR	Bus64	Bus66	266.79	1067.16	1100.00	
T19 Kerbit alama	3-Phase	2W XFMR	Bus127	Bus129	653.65	1634.12	1760.00	
T20 Aqabit al_tarsha	3-Phase	2W XFMR	Bus21	Bus22	653.65	1634.12	1760.00	

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T21 Al_mustashfah	3-Phase	2W XFMR	Bus103	Bus105	653.65	1634.12	1760.00	
T22 Da'na	3-Phase	2W XFMR	Bus93	Bus95	653.65	1634.12	1760.00	
T23 Kurza	3-Phase	2W XFMR	Bus142	Bus143	653.65	1634.12	1760.00	
T24 Al-deire 2	3-Phase	2W XFMR	Bus35	Bus37	653.65	1634.12	1760.00	
T25 Rasmi wahab	3-Phase	2W XFMR	Bus4	Bus5	653.65	1634.12	1760.00	
T26 Baten alqar'	3-Phase	2W XFMR	Bus146	Bus148	653.65	1634.12	1760.00	
T27 Al_muntazah	3-Phase	2W XFMR	Bus160	Bus162	653.65	1634.12	1760.00	
T28 Domet al_wridat	3-Phase	2W XFMR	Bus106	Bus108	653.65	1634.12	1760.00	
T29 Juret al_dama	3-Phase	2W XFMR	Bus60	Bus62	653.65	1634.12	1760.00	
T30 Kafar joul	3-Phase	2W XFMR	Bus181	Bus183	653.65	1634.12	1760.00	
T31 Sam'a	3-Phase	2W XFMR	Bus201	Bus203	653.65	1634.12	1760.00	
T32 Khalet al_ayaseh	3-Phase	2W XFMR	Bus120	Bus119	653.65	1634.12	1760.00	
T33 Al_mizrab	3-Phase	2W XFMR	Bus155	Bus157	653.65	1634.12	1760.00	
T34 Al_shadaqa	3-Phase	2W XFMR	Bus151	Bus150	653.65	1634.12	1760.00	
T35 Al_shuqfan	3-Phase	2W XFMR	Bus179	Bus178	1457.50	2332.00	2750.00	
T36 Al_estad	3-Phase	2W XFMR	Bus185	Bus188	653.65	1634.12	1760.00	
T37 Eshreeteh	3-Phase	2W XFMR	Bus82	Bus81	653.65	1634.12	1760.00	
T38 Al_muhtasib	3-Phase	2W XFMR	Bus132	Bus133	653.65	1634.12	1760.00	
T39 Jammoq	3-Phase	2W XFMR	Bus86	Bus85	653.65	1634.12	1760.00	
T40 Al_helal	3-Phase	2W XFMR	Bus152	Bus154	653.65	1634.12	1760.00	
T41 Al_muntazah 2	3-Phase	2W XFMR	Bus163	Bus165	653.65	1634.12	1760.00	
T42 Abu njeem 2	3-Phase	2W XFMR	Bus13	Bus14	653.65	1634.12	1760.00	
T43 Al_jame'a	3-Phase	2W XFMR	Bus114	Bus116	653.65	1634.12	1760.00	
T44 Alghwla	3-Phase	2W XFMR	Bus192	Bus191	653.65	1634.12	1760.00	
T45 Masafi	3-Phase	2W XFMR	Bus87	Bus89	653.65	1634.12	1760.00	
T46 Al_jebreni	3-Phase	2W XFMR	Bus138	Bus139	653.65	1634.12	1760.00	
T47 Abu_njeem 1	3-Phase	2W XFMR	Bus11	Bus12	1457.50	2332.00	2750.00	
T48 Inab al_kabeer	3-Phase	2W XFMR	Bus171	Bus170	1457.50	2332.00	2750.00	
T49 Shweki	3-Phase	2W XFMR	Bus51	Bus52	1457.50	2332.00	2750.00	
T50 Al-baha	3-Phase	2W XFMR	Bus44	Bus46	1457.50	2332.00	2750.00	
T51 Inab al_sagher	3-Phase	2W XFMR	Bus173	Bus175	1457.50	2332.00	2750.00	
T52 Bank al_eskan	3-Phase	2W XFMR	Bus54	Bus56	1457.50	2332.00	2750.00	
T53 Al_tork	3-Phase	2W XFMR	Bus102	Bus101	109.49	689.78	698.41	
T54 Wad algamary 3	3-Phase	2W XFMR	Bus26	Bus27	1457.50	2332.00	2750.00	
T55 Mana'	3-Phase	2W XFMR	Bus76	Bus78	653.65	1634.12	1760.00	
T56 Al_jebreny step up	3-Phase	2W XFMR	Bus212	Bus213	352.19	528.29	634.92	
CB52	3-Phase	Tie Circuit	Bus213	Bus138	0.00	0.00	0.00	