

Project:  
Location:  
Contract:  
Engineer:  
Filename: ali

**ETAP**  
**12.6.0H**  
  
Study Case: LF

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### Alert Summary Report

	% Alert Settings	
	<u>Critical</u>	<u>Marginal</u>
<u>Loading</u>		
Bus	100.0	95.0
Cable	100.0	95.0
Reactor	100.0	95.0
Line	100.0	95.0
Transformer	100.0	95.0
Panel	100.0	95.0
Protective Device	100.0	95.0
Generator	100.0	95.0
Inverter/Charger	100.0	95.0
<u>Bus Voltage</u>		
OverVoltage	105.0	102.0
UnderVoltage	95.0	98.0
<u>Generator Excitation</u>		
OverExcited (Q Max.)	100.0	95.0
UnderExcited (Q Min.)	100.0	

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### Critical Alerts Report

Device ID	Type	Condition	Rating/Limit	Unit	Operating	% Operating	Phase Type
Bus22	Bus	Under Voltage	33.000	kV	30.644	92.9	3-Phase
Bus30	Bus	Under Voltage	33.000	kV	29.681	89.9	3-Phase
Bus33	Bus	Under Voltage	33.000	kV	29.681	89.9	3-Phase
Bus34	Bus	Under Voltage	33.000	kV	29.681	89.9	3-Phase
Bus35	Bus	Under Voltage	33.000	kV	29.681	89.9	3-Phase
Bus36	Bus	Under Voltage	33.000	kV	28.851	87.4	3-Phase
Bus63	Bus	Under Voltage	33.000	kV	29.665	89.9	3-Phase
Bus64	Bus	Under Voltage	33.000	kV	29.665	89.9	3-Phase
Bus65	Bus	Under Voltage	33.000	kV	29.665	89.9	3-Phase
Bus66	Bus	Under Voltage	33.000	kV	29.665	89.9	3-Phase
Bus67	Bus	Under Voltage	33.000	kV	29.791	90.3	3-Phase
Bus68	Bus	Under Voltage	33.000	kV	29.577	89.6	3-Phase
Bus69	Bus	Under Voltage	33.000	kV	27.963	84.7	3-Phase
Bus70	Bus	Under Voltage	33.000	kV	27.963	84.7	3-Phase
Bus71	Bus	Under Voltage	33.000	kV	27.941	84.7	3-Phase
Bus72	Bus	Under Voltage	33.000	kV	27.911	84.6	3-Phase
Bus73	Bus	Under Voltage	33.000	kV	27.941	84.7	3-Phase
Bus74	Bus	Under Voltage	33.000	kV	27.941	84.7	3-Phase
Bus81	Bus	Under Voltage	33.000	kV	31.328	94.9	3-Phase
Bus82	Bus	Under Voltage	33.000	kV	31.328	94.9	3-Phase
Bus83	Bus	Under Voltage	33.000	kV	31.328	94.9	3-Phase
Cable1	Cable	Overload	626.500	Amp	836.601	133.5	3-Phase
Cable3	Cable	Overload	626.500	Amp	836.601	133.5	3-Phase
T6	Transformer	Overload	100.000	MVA	114.395	114.4	3-Phase
T9	Transformer	Overload	15.000	MVA	87.976	586.5	3-Phase

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### Marginal Alerts Report

Device ID	Type	Condition	Rating/Limit	Unit	Operating	% Operating	Phase Type
Bus16	Bus	Under Voltage	33.000	kV	31.548	95.6	3-Phase
Bus19	Bus	Under Voltage	33.000	kV	31.548	95.6	3-Phase
Bus20	Bus	Under Voltage	33.000	kV	31.548	95.6	3-Phase
Bus21	Bus	Under Voltage	33.000	kV	31.548	95.6	3-Phase
Bus31	Bus	Under Voltage	161.000	kV	157.629	97.9	3-Phase
Bus32	Bus	Under Voltage	161.000	kV	157.679	97.9	3-Phase
Bus37	Bus	Under Voltage	33.000	kV	31.704	96.1	3-Phase
Bus38	Bus	Under Voltage	161.000	kV	157.578	97.9	3-Phase
Bus39	Bus	Under Voltage	161.000	kV	157.580	97.9	3-Phase
Bus4	Bus	Under Voltage	33.000	kV	32.253	97.7	3-Phase
Bus40	Bus	Under Voltage	33.000	kV	31.704	96.1	3-Phase
Bus41	Bus	Under Voltage	33.000	kV	31.704	96.1	3-Phase
Bus42	Bus	Under Voltage	33.000	kV	31.704	96.1	3-Phase
Bus43	Bus	Under Voltage	33.000	kV	31.591	95.7	3-Phase
Bus44	Bus	Under Voltage	33.000	kV	31.568	95.7	3-Phase
Bus5	Bus	Under Voltage	33.000	kV	32.253	97.7	3-Phase
Bus52	Bus	Under Voltage	33.000	kV	31.535	95.6	3-Phase
Bus53	Bus	Under Voltage	33.000	kV	31.547	95.6	3-Phase
Bus54	Bus	Under Voltage	33.000	kV	31.547	95.6	3-Phase
Bus55	Bus	Under Voltage	33.000	kV	31.567	95.7	3-Phase
Bus56	Bus	Under Voltage	33.000	kV	31.567	95.7	3-Phase
Bus6	Bus	Under Voltage	33.000	kV	32.253	97.7	3-Phase
Bus7	Bus	Under Voltage	33.000	kV	32.253	97.7	3-Phase
Bus8	Bus	Under Voltage	33.000	kV	31.922	96.7	3-Phase