





N-1 Checking based on 2015_Night_Peak

1. Branches and Tie Lines

Monitored Elements		Base Flow	Maximum Flow	Impact Rate	%	Contingency	Countermeasures
2560 PANNI-2	220.00 2980 ARANG 220.00 1	193.84	373.96	382.73	375	102.1% SINGLE 224 : OPEN LINE FROM BUS 2560 [PANNI-2 220.00] TO BUS 2980 [ARANG 220.00] CKT 2	switching over is effective
2560 PANNI-2	220.00 2980 ARANG 220.00 2	193.84	373.96	382.73	375	102.1% SINGLE 223 : OPEN LINE FROM BUS 2560 [PANNI-2 220.00] TO BUS 2980 [ARANG 220.00] CKT 1	switching over is effective
1810 PUTTA-1	132.00 1950 NCHW 132.00 1	55.24	87.51	95.17	100	95.2% SINGLE 172 : OPEN LINE FROM BUS 1810 [PUTTA-1 132.00] TO BUS 1950 [NCHW 132.00] CKT 2	-
1810 PUTTA-1	132.00 1950 NCHW 132.00 2	55.24	87.51	95.17	100	95.2% SINGLE 171 : OPEN LINE FROM BUS 1810 [PUTTA-1 132.00] TO BUS 1950 [NCHW 132.00] CKT 1	-

2. Voltage

220kV

Bus	Voltage	Contingency	Countermeasures
Nothing			

132kV

Bus	Voltage	Contingency	Countermeasures
1680 KURUN-1 132.00	0.8983	OPEN LINE FROM BUS 1220 [KOTMA-1 132.00] TO BUS 2220 [KOTMA-2 220.00] CKT 1	Scheduled Voltage at Canyon is changed to 1.02

N-1 Checking based on 2015_Day_Peak

1. Branches and Tie Lines

Monitored Elements	Base Flow	Maximum Flow	Impact	Rate	%	Contingency	Countermeasures
2560 PANNI-2 220.00 2980 ARANG 220.00 1	181.66	352.56	358.87	275	130.5	OPEN LINE FROM BUS 2560 [PANNI-2 220.00] TO BUS 2980 [ARANG 220.00] CKT 2	Open lines: Kirindiwela – Ambulgama, Bivagama – Arangala
2560 PANNI-2 220.00 2980 ARANG 220.00 2	181.66	352.56	358.87	275	130.5	OPEN LINE FROM BUS 2560 [PANNI-2 220.00] TO BUS 2980 [ARANG 220.00] CKT 1	Open lines: Kirindiwela – Ambulgama, Bivagama – Arangala
1810 PUTTA-1 132.00 1950 NCHW 132.00 1	32.71	51.98	53.14	45	118.09	OPEN LINE FROM BUS 1810 [PUTTA-1 132.00] TO BUS 1950 [NCHW 132.00] CKT 2	Open lines: Puttalam – Chilaw
1810 PUTTA-1 132.00 1950 NCHW 132.00 2	32.71	51.98	53.14	45	118.09	OPEN LINE FROM BUS 1810 [PUTTA-1 132.00] TO BUS 1950 [NCHW 132.00] CKT 1	Open lines: Puttalam – Chilaw
1570 BIYAG-1 132.00 1580 SAPUGA-1 132.00 1	89.99	170.78	171.84	165	104.14	OPEN LINE FROM BUS 1570 [BIYAG-1 132.00] TO BUS 1590 [SAPUGA-1 132.00] CKT 2	switching over is effective
1570 BIYAG-1 132.00 1580 SAPUGA-1 132.00 2	89.99	170.78	171.84	165	104.14	OPEN LINE FROM BUS 1570 [BIYAG-1 132.00] TO BUS 1590 [SAPUGA-1 132.00] CKT 1	switching over is effective
1680 KURUN-1 132.00 1770 KIRIB-1 132.00 1	22.84	45.84	46.84	45	104.09	OPEN LINE FROM BUS 1680 [KURUN-1 132.00] TO BUS 1700 [ANUJURA-1 132.00] CKT 2	switching over is effective
1680 KURUN-1 132.00 1770 KIRIB-1 132.00 2	22.84	45.84	46.84	45	104.09	OPEN LINE FROM BUS 1680 [KURUN-1 132.00] TO BUS 1770 [KIRIB-1 132.00] CKT 1	switching over is effective

2. Voltage
220kV

Bus	Voltage	Contingency	Countermeasures
Nothing			

132kV

Bus	Voltage	Contingency	Countermeasures
Nothing			