

Abnormal Report

| | | | | |
|----|---|----------|--------------|--------------------|
| 1 | ID | | | |
| 2 | <u>BUSES OUTSIDE VOLTAGE LIMITS (100 %)</u> | | | |
| 3 | | | | |
| 4 | Bus ID | Zone | kV Base | Vmin - [pu] |
| 5 | | | | |
| 6 | <u>OVERLOADED LINES & CABLES (WITHIN 100 %)</u> | | | |
| 7 | ID | Bus From | Bus To | Power Flow - [pu] |
| 8 | | | | |
| 9 | <u>UNDERLOADED LINES & CABLES (WITHIN 50 %)</u> | | | |
| 10 | ID | Bus From | Bus To | Power Flow - [pu] |
| 11 | L30 | B25 | B26 | 0.684 |
| 12 | L21 | B16 | B17 | 2.439 |
| 13 | L31 | B26 | B27 | 2.730 |
| 14 | L01 | B1 | B2 | 1.234 |
| 15 | L22 | B16 | B19 | 5.108 |
| 16 | L32 | B26 | B28 | 1.409 |
| 17 | L02 | B1 | B39 | 1.234 |
| 18 | L13 | B7 | B8 | 1.994 |
| 19 | L33 | B26 | B29 | 1.892 |
| 20 | L14 | B8 | B9 | 1.879 |
| 21 | L24 | B16 | B24 | 1.477 |
| 22 | L04 | B2 | B25 | 2.489 |
| 23 | L15 | B9 | B39 | 1.510 |
| 24 | L25 | B17 | B18 | 2.119 |
| 25 | L05 | B3 | B4 | 1.822 |
| 26 | L26 | B17 | B27 | 0.651 |
| 27 | L06 | B3 | B18 | 0.522 |
| 28 | L07 | B4 | B5 | 1.487 |
| 29 | L18 | B13 | B14 | 2.942 |
| 30 | L28 | B22 | B23 | 0.424 |
| 31 | L08 | B4 | B14 | 2.840 |
| 32 | L19 | B14 | B15 | 0.586 |
| 33 | | | | |
| 34 | <u>OVERLOADED TRANSFORMERS (WITHIN 100 %)</u> | | | |
| 35 | ID | Bus From | Bus To | Power Flow - [MVA] |
| 36 | | | | |
| 37 | <u>UNDERLOADED TRANSFORMERS (WITHIN 50 %)</u> | | | |
| 38 | ID | Bus From | Bus To | Power Flow - [MVA] |
| 39 | T10 | B2 | B30 | 291.739 |
| 40 | T01 | B12 | B11 | 41.990 |
| 41 | T02 | B12 | B13 | 46.577 |
| 42 | T12 | B19 | B20 | 123.228 |
| 43 | T06 | B20 | B34 | 513.902 |
| 44 | | | | |
| 45 | <u>GENERATORS AT REACTIVE LIMITS (WITHIN 0 %)</u> | | | |
| 46 | ID | Bus From | P Gen - [MW] | Q Gen - [MVAR] |
| 47 | | | | |
| 48 | <u>TRANSFORMERS AT TAP LIMITS (WITHIN 0 %)</u> | | | |

Abnormal Report

| | | | |
|----|-----------------------|---------------------------------|-----------------|
| | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | Vmax - [pu] | V sol - [pu] | Ang sol - [deg] |
| 5 | | | |
| 6 | | | |
| 7 | Loading Limit - [pu] | Emergency Loading Limit - [pu] | |
| 8 | | | |
| 9 | | | |
| 10 | Loading Limit - [pu] | | |
| 11 | 2.988 | | |
| 12 | 2.988 | | |
| 13 | 2.988 | | |
| 14 | 2.988 | | |
| 15 | 5.378 | | |
| 16 | 2.988 | | |
| 17 | 2.988 | | |
| 18 | 2.988 | | |
| 19 | 2.988 | | |
| 20 | 2.988 | | |
| 21 | 2.988 | | |
| 22 | 2.988 | | |
| 23 | 2.988 | | |
| 24 | 2.988 | | |
| 25 | 2.988 | | |
| 26 | 2.988 | | |
| 27 | 2.988 | | |
| 28 | 2.988 | | |
| 29 | 2.988 | | |
| 30 | 2.988 | | |
| 31 | 2.988 | | |
| 32 | 2.988 | | |
| 33 | | | |
| 34 | | | |
| 35 | Loading Limit - [MVA] | Emergency Loading Limit - [MVA] | |
| 36 | | | |
| 37 | | | |
| 38 | Loading Limit - [MVA] | | |
| 39 | 550.000 | | |
| 40 | 250.000 | | |
| 41 | 250.000 | | |
| 42 | 550.000 | | |
| 43 | 700.000 | | |
| 44 | | | |
| 45 | | | |
| 46 | Q Min - [MVAR] | Q Max - [MVAR] | |
| 47 | | | |
| 48 | | | |

Abnormal Report

| | ID | | | |
|----|----|----------|--------|---------------|
| 49 | ID | Bus From | Bus To | Tap Pos - [%] |

Abnormal Report

| | | | |
|----|------------------|------------------|--|
| | | | |
| 49 | Min Tap - [%] | Max Tap - [%] | |