

MAJOR EVENTS OF SATURDAY 11TH NOVEMBER, 2017

- 1 03:53Hrs, Ibom Power GT3 tripped on O/C. LHR = 80MW
- 2 08:35Hrs, Shiroro/Mina/Bida 132kV line was taken out to enable maintenance crew replace broken insulators with composite types on towers #79, 162, 173, 177 & 181. Load loss = 18MW.
- 3 10:00 – 14:20Hrs, Abakaliki T/S 30MVA 132/33kV transformer T1 was taken out to enable maintenance crew carry out annual preventive maintenance on the transformer. Load loss = 16.3MW
- 4 10:38Hrs, Benin/Egbin 330kV line (cct B6N) was taken out to enable contractor cut dangerous trees on the towers #333-334, 335-336 & 337-338. No load interruption as ccts H7V, V7B, N6W, M5W & B5M were in service.
- 5 10:56 – 11:12Hrs, Omotosho/Ikeja-West 330kV line (cct M5W) CBs tripped at both ends on the following relay indications:
At Omotosho T/S:
PSL 601 Relay: Distance and Z-1S protection, pilot protection, zero – S zone 1 trip, phase A trip, phase A grounded.
PSL 602 Relay: Distance & Z –S protection, pilot protection
Auxiliary Relay: Tripping ABC, stages 1 & 2
At Ikeja-West T/S:
Siprotec Relay: General trip, RPH fault, reverse zone 1 trip, 21 pick up AG, PU time = 926ms, distance = 0.1km.
Micom Relay: RPH fault. No load interruption as cct B5M, H7V & others were in service.
- 6 12:13Hrs, Alagbon T/S 300MVA 330/132/33kV transformer TR1 was taken out to enable maintenance crew checks and rectify the cause of high winding temperature alarm that came up on the transformer. Load loss = 72MW
- 7 12:50 – 15:13Hrs, Port Harcourt Town T/S 30MVA 132/33kV transformer T1B was taken out to enable maintenance crew carry out annual preventive maintenance on the transformer. Load loss = 10.6MW
- 8 12:56 – 13:18Hrs, Ayede/Macpherson/Shagamu 132kV line CB tripped at Ayede T/S on the following relay indications:
Optimho Relay: DEF delay, location = 171.9km
Micom Relay: O/C Yellow & Blue phases. LHR = 30MW
- 9 12:59 – 13:12Hrs, Sapele/Delta 330kV line (cct S4G) CBs tripped at both ends on the following relay indications:
At Sapele T/S:
SEL 421 Relay: Zone 1, E/F, phase A-N & distance = 10.84km.
At Delta T/S:
Optimho Relay: Z1 A-N, location = 74.78km & period = 50.5ms
Siprotec Relay: Relay trip, Red & Blue phases, distance pick up L1E, pick up time = 64ms, distance = 70.2km. No load interruption as ccts G3B, S3B, S4B & S5B were in service.