



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/May-2017/GD1/05-05-2017

Incident: At 18:37hrs All 400kV lines emanating from Kolhapur(PG) except 400kV Kolhapur(PG)-Kudgi-2 tripped on R-Ph (400kV Kolhapur-Kolhapur(PG)-Mapusa-1 and 400kV Kolhapur(PG)-Kudghi-1) and B-Ph (400kV Kolhapur-Kolhapur(PG)-Mapusa-2). The fault is reportedly in the multi circuit tower carrying 400kV Kolhapur-Kolhapur (PG)-Mapusa-D/C while heavy thunder storm was present. The tripping lines lead to stoppage of power to Mapusa SS-Goa SS.

Simultaneously 220kV Tillari-Amona and Mahalxmi-Amona were tripped from Amona end only

1. Date and Time: 05/05/17 18:37 Hrs

2. Antecedent Conditions

1. Frequency:

Event	Frequency(Hz)	Time(hh:mm:ss)
Pre incident	50.04	18:35:00
Post Incident	50.05	18:38:00

2. Reason for Tripping:

The fault is reportedly in the multi circuit tower carrying 400kV Kolhapur-Kolhapur (PG)-Mapusa-D/C while heavy thunder storm was present. The tripping lines lead to stoppage of power to Mapusa SS-Goa SS.

3. Areas Affected By Disturbance: All 400/220 kV of West Goa.

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400kV Kolhapur(PG)-Mapusa-1	18:37	19:17	R-E fault

400kV Kolhapur(PG)-Mapusa-2	18:37	19:49	B-E fault
400kV Kolhapur(PG)-Kolhapur-1	18:37	19:29	R-E fault
400kV Kolhapur(PG)-Kolhapur-2	18:37	19:54	B-E fault
400kV Kolhapur(PG)-Kodghi-1	18:37	19:51	R-E fault
220kV Tillari-Amona	18:37	18:54	Tripped at Amona end only/ reflection fault due to tripping of all 400kV lines at Kolhapur(PG)
220kV Mahalaxmi-Amona	18:37	18:54	Tripped at Amona end only/ reflection fault due to tripping of all 400kV lines at Kolhapur(PG)

5. Load Affected: Around 400 MW of load loss occurred in West Goa from 18:37hrs-18:54hrs.

6. Actions Taken:

220kV Tillari-Amona and Mahalaxmi-Amona were immediately closed by 18:54hrs and West Goa system loads were restored.

Subsequently all 400/220 KV elements connected to Mapusa SS were restored as per above

7. Current Status:

All elements are restored and Goa system is Normal

8. Further action required:

Details of tripping along with Relays/DR/EL to be furnished by SLDC Goa/ CPCC (N).

S S Velayutham

(Shift Charge Manager)