



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/May-2017/GD1/06-05-2017

Incident: At 19:14 hrs 400kV Kolhapur(PG) -Mapusa-1 tripped on R- E fault and at 19:15 hrs 400kV Kolhapur(PG) Mapusa-2 tripped on B- E fault . The tripping of lines lead to interruption of power to Goa system.

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

1. Date and Time: 06/05/17 19:15 Hrs

2. Antecedent Conditions

1. Frequency:

Event	Frequency(Hz)	Time(hh:mm:ss)
Pre incident	49.93	19:14:00
Post Incident	49.97	19:16:00

2. Reason for Tripping:

400kV Kolhapur(PG) -Mapusa-1 tripped on R- E fault,0.7 kAmp, 156km from Mapusa and 400kV Kolhapur(PG) Mapusa-2 tripped on B- E fault, 0.8 kAmp, 141 km from Mapusa.

3. Areas Affected By Disturbance: Western/Northern Part of Goa affected .

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400kV Kolhapur(PG)-Mapusa-1	19:14	20:13	R-E fault
400kV Kolhapur(PG)-Mapusa-2	19:15	19:38	B-E fault

220kV Tillari-Amona	19:15	19:18	Tripped at Amona end only/ reflection fault due to tripping of all 400kV lines at Kolhapur(PG)
220kV Mahalaxmi-Amona	19:15	19:18	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/North Goa at 19: 15 Hrs. In 3 mins 250 MW load was restored by charging 220kV Tillari- Amona & 220kV Mahalaxmi- Amona . Later complete load restored by 19: 38 Hrs.

6. Actions Taken:

220kV Tillari-Amona and Mahalaxmi-Amona were immediately closed by 19:18 hrs and West Goa system loads were restored.

Subsequently 400kV Kolhapur- Mapusa -2 was restored by 19:38 Hrs and hence load was available through 220kV Mapusa – Thivim D/C , 220kV Mapusa- Ponda , 220kV Mapusa – Amona .

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).

Sunil Aharwal

(Shift Charge Manager)