



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/May-2017/GD1/25-05-2017

Incident: TRIPPING AT BABLESHWAR

ALL 400KV LINES AT BABLESHWAR TRIPPED AT 16:30HRS

1. Frequency:

Event	Frequency(Hz)	Time(hh:mm:ss)
Pre incident	50.048	16:28
Post Incident	50.131	16:31

2. Reason for Tripping:

Heavy rains reported at Bableshwar.

At 16:26hrs 400kV Bableshwar-Ektuni-2 tripped on R-Y Phase to phase fault (Ckt-1 was already out on controlling the over loading on 400kV Bableshwar-Padghe-D/c lines).

At 16:30Hrs it was reported that Bus isolator of 400/220kV ICT-4 at Bableshwar fell down and created Bus fault, but due to non-operation of bus bar protection all the feeders from the Bableswher tripped at remote end resulting in both 400kV and 220kV bus dead at Bableshwar. In PMU fault on all three phases was observed and predominant on B-Phase (28kV at Kalwa PMU).

3. Areas Affected By Disturbance: All connected areas of Bableshwar.

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400kV Ektuni-Bableshwar-II	16:26	-	R-Y Phase fault
400kV Bus-1 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Bus-2 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Dhule-Bableshwar-I	16:30	-	Fault on Bus-II due to isolator fell down.

400kV Dhule-Bableshwar-II	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Bableshwar-Padghe-I	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Bableshwar-Padghe-II	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Bhusawal-Bableshwar-S/c	16:30	-	Fault on Bus-II due to isolator fell down.
400kV Aurangabad-Bableshwar-S/c	16:30	-	Fault on Bus-II due to isolator fell down.
400/220kV ICT-1 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.
400/220kV ICT-2 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.
400/220kV ICT-3 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.
400/220kV ICT-4 at Bableshwar	16:30	-	Fault on Bus-II due to isolator fell down.

5. Load Affected: About 900 MW load loss observed in connected areas of Bableshwar.

6. Actions Taken:

ICT's were charged from 220kV side (Except ICT-4). Ektuni-Bableshwar Ckt-1 charged at 17:33hrs.

7. Current Status: Restoration under progress.

8. Further action required: Maharashtra is requested to furnish the details of tripping along with relay indications/DR/EL and a flash report.

K. Muralikrishna

(Shift Charge Manager)