



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/August-2018/ GI1/12-08-2018

Event Summary: At Kosamba(Gujarat) substation 220kV Bus-1 & Bus-2 tripped at 12:49 hrs due to earth wire snapped on both buses near gantry.

1. Date and Time: 12/08/2018, 12:49 hrs.

2. Antecedent Conditions:

	12:45 hrs	12:50 hrs
Gujarat Demand(MW)	14286	14060
WR Demand(MW)	46583	46496
Frequency (Hz)	50:01	50:01

The change in MW demand and frequency may be due to usual load/generation pattern.

3. Event Description: At 12:49 hrs 220kV Bus-1 & Bus-2 at Kosamba(GETCO) tripped due to earth wire snapped on both buses near gantry which led to tripping of 4 no. 400/220kV ICT's, 2 no. 220/66kV ICT's, 10 no. of 220kV lines from Kosamba.

4. Elements affected: The following elements tripped.

Feeder/ICT/Bus	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
220kV Bus-1 at Kosamba	12:49		Due to earth wire snapped on both buses near gantry
220kV Bus-2 at Kosamba	12:49		Due to earth wire snapped on both buses near gantry
400/220kV ICT-1 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2
400/220kV ICT-2 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2
400/220kV ICT-3 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2

400/220kV ICT-4 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220/66kV ICT-1 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220/66kV ICT-2 at Kosamba	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Kim-1	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Kim-2	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Utran	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Vav	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-GSEG-2	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Ichapur	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Gavasad	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Suva	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Jhagdia-1	12:49		Due to 220kV tripping of Bus-1 & Bus-2
220kV Kosamba-Jhagdia-2	12:49		Due to 220kV tripping of Bus-1 & Bus-2

5. Load Affected: As intimated by SLDC/Gujarat, 80MW load loss occurred.

6. Generation Loss: NIL

7. Actions Taken: Removal of snapped earth wire and subsequent restoration is under progress

8. Current Status: Earth wire snapped on Bus-1&2 near gantry removed and restoration of 200kV Bus-1 & 2 is under progress

9. Further action required: Detailed report of tripping and relay indication/reason of tripping, DR/EL to be submitted by SLDC/Gujarat.

For information please.

(Shift Charge Manager)