



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/April-2017/GD1/26-04-2017

Incident: At 10:01 hrs, due to differential protection operation 400/220KV Kolhapur ICT-3 tripped leading to tripping of Kolhapur 400/220KV ICT 1 and 2. Subsequent to this, all 3 400/220KV ICTs at Karad also tripped. As informed by Maharashtra SLDC there was a load loss of 900 MW.

Due tripping of Kolhapur(MSETCL) ICT, 220 KV Mahalaxmi-Amona ,220 KV Tillari-Amona and 220KV Mapusa-Amona also tripped. As informed by Goa SLDC load Loss of 150MW occurred.

1. Date and Time: 26/04/17 10:01 Hrs

2. Antecedent Conditions

1. Frequency:

Event	Frequency(Hz)	Time(hh:mm:ss)
Pre incident	50.03	10:00:00
Post Incident	50.21	10:02:00

2. Reason for Tripping:

Differential protection operated in 400/220 KV Kolhapur ICT-3 leading to Over-Current tripping of other 2 ICTs at Kolhapur and all 3 ICTs at Karad.

3. Areas Affected By Disturbance: No generation loss reported. Load loss of around 900 MW in Karad and Kolhapur.

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400/220kV ICT-3 at Kolhapur (MSETCL)	10:01	Still out	Due to differential protection operated

400/220kV ICT-2 at Kolhapur (MSETCL)	10:01	10:50	Due to over-Current tripping
400/220kV ICT-1 at Kolhapur (MSETCL)	10:01	10:56	Due to over-Current tripping
400/220kV ICT-1 at Karad (MSETCL)	10:01	10:35	Due to over-Current tripping
400/220kV ICT-2 at Karad (MSETCL)	10:01	10:26	Due to over-Current tripping
400/220kV ICT-3 at Karad (MSETCL)	10:01	10:15	Due to over-Current tripping
220KV Talangade-Chikodi	10:01	awaited	Due to Kolhapur ICT tripping(code issued for charging)
220KV Mudshinge-Chikodi	10:01	awaited	Due to Kolhapur ICT tripping(code issued for charging)
220KV Mahalaxmi-Amona	10:01	11:55	Due to Kolhapur ICT tripping
220KV Tillari-Amona	10:01	Still out	Due to Kolhapur ICT tripping
220KV Mapusa-Amona	10:01	10:38	Due to Kolhapur ICT tripping

5. Generation Affected:

Nil

6. Actions Taken:

As line loadings were within limits and voltages were normal no immediate action was initiated.

The ICTs were taken into service and codes issued for Talangade-chikodi and Mudshinge-Chikodi for restoration.

7. Current Status:

All ICTs were restored except Kolhapur ICT-3 and load has been normalized at Karad and kolhapur

8. Further action required:

Details of tripping along with Relays/DR/EL to be furnished by SLDC Kalwa.

Sunil K. Aharwal

(Shift Charge Manager)