



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/November-2016/GI2

Incident: TRIPPING AT 400kV Pune(Talegaon)

1. Date and Time:03/11/2016 10:29Hrs

2. Antecedent Conditions

1. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	50.12	10:28
Post Incident	50.11	10:30

2. Reason for Tripping: RTAMC Nagpur opened CB of Switchable L/R of 400kV Pune(Talegaon)-Pune GIS-IV remotely from Nagpur for AMP works. Then the command issued to open the isolators. After 6 seconds the breaker of Reactor got auto-closed(as intimated) and heavy sparking on Isolators was observed. The circuit-IV and also the Bus-I at Pune(B/B protection operated). About 49kV voltage dip observed in Y-phase and B-phase in PMU of Solapur.

3. Areas Affected By Disturbance:No load interruption, No generation loss and No critical loading observed. But it was observed that about 400MW load was dropped in Maharashtra and got revived by 10:45hrs. However SLDC Kalwa intimated that there was no interruption of loads at Pune, Lonikhand etc.

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400kV s/w L/R of Pune(Talegaon)-Pune GIS-IV at Pune(Talegaon)	10:29	S/O	AMP
400kV Pune(Talegaon)-Pune GIS-IV	10:29	12:40	Heavy sparking in Isolator of L/R

400 KV Pune(Talegaon) Bus-I	10:29	11:59	B/B protection operated

5. Actions Taken:

SLDC Kalwa initially reduced hydro generation by seeing the under drawal and then increased the hydro generation again when frequency is in the down ward trend.

Flow on C'pur-Padghe HVDC was increased to 1500MW to reduce the criticality as only one Bus at Pune is in service. The L/R breaker was kept out for AMP and also for checking the breaker problem.

6. Current Status:

Pune Bus-I and Pune-Pune GIS-IV were restored..

WR-I, Powergrid is requested to intimate the details of tripping along with relevant relay/window indications, DR/EL and also requested to submit flash report of the incident.

SLDC Kalwa is requested to check the load pattern on ICTs at Pune, Lonikhand and Jejuri.

K.Muralikrishna

(Shift Charge Manager)