



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/May-2016/GD 1

Incident: Tripping of 400KV Kolhapur Bus-II

1. Date and Time:13/05/201615:59Hrs

2. Antecedent Conditions

1. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	49.94	15:58
Post Incident	50.00	16:01

2. Reason for Tripping:Bus bar protection operated on Main Bus-II at 400kv Kolhapur(MSETCL) S/S and all the connecting elements tripped. SLDC Kalwa/CPCC(N) intimated that flas over of B-Phase CT of 400kv Kolhapur(PGCIL)-Kolhapur(MSETCL)-II occurred.

3. Areas Affected By Disturbance:. Nil. No critical loadings observed. Flow on 400kv Sholapur-Kolhapur-II rose to 500MW from 360MW.

No area deprived of supply. No generation loss.

4. Elements affected:

Feeder	Tripping time (hh:mm)	Restoration time(hh:mm)	Flows/voltage prior to tripping
400 kv Kolhapur Main bus-II	15:59	16:34	Vol: 418kV
400/220 ICT-III at Kolhapur	15:59	16:45	Flow: 264MW(export)
400kv Kolhapur-Kolhapur(PG)-II	15:59	Still out	Flow:247MW(export)
400kv Kolhapur-Sholapur(PG)-I	15:59	16:45	Flow:360MW(import)
400kv Kolhapur-Karad-II	15:59	Kept out to control high voltages	Flow:158MW(import)

400kV B/R (80MVAR) which was off since morning for voltage regulation was taken into service at 16:34hrs.

5. Actions Taken: Kolhapur Bus –II was taken into service after checking the switchyard.

6. Current Status:

The B-ph CT of Kolhapur(PG)-II at Kolhapur(MSETCL) is being replaced.

SLDC,Kalwa and CPCC(N) is requested to furnish the details of tripping along with relevant relay/window indications, DR/EL and the restoration details.

K.Muralikrishna

(Shift Charge Manager)