



**Power System Operation Corporation Limited**  
**Western regional Load Despatch Centre**  
**FLASH REPORT**

**WRLDC/May-16/GI-II**

**Incident:** Tripping of Elements at Pune GIS (Shikrapur) due to Bus Bar Protection Operation in 400kV Bus-I.

**1. Date and Time:** 11/05/2016 at 18:51Hrs.

**2. Antecedent Conditions**

1. Frequency of NEW Grid/SR Grid

Event	Frequency	Time(HH:MM)
Pre incident	49.94	18:50 HRS
Post Incident	49.95	18:52 HRS

**2. Reason for Tripping:** At 18:51HRS 400kV Main Bus - I LBB operated at Pune GIS (Shikrapur) resulting in tripping of feeders/ICT connected to Bus- I at Pune GIS (Shikrapur).

**3. Areas Affected By Disturbance:**

a. Load loss Nil.

b. However power flow in 400kV Padghe-Bableswhar-D/C increased by approx. 80 MW each ckt (560-580 MW), 400kV Aurangabad(Waluj)-Bableswhar-S/c increased by 100 MW ( 435 MW), 400kV Pune(Talegaon)-Pune GIS-III increased to 950 MW.

**4. Elements affected:**

Feeder	Voltage	Tripping time	Restoration time
400kV Bus-I	400kV	18:51 HRS	14:29 HRS/13.05.16
765/400 kV ICT-I	765/400kV	18:51 HRS	22:22 HRS
400kV Aurangabad(Waluj)-Pune GIS-I	400 kV	18:51 HRS	22:07 HRS
400kV Pune(Talegaon)-Pune GIS-I	400 kV	18:51 HRS	21:08 HRS
400kV Pune(Talegaon)-Pune GIS-II	400 kV	18:42 HRS	09:47 HRS/12.05.16
400kV Pune(Talegaon)-Pune GIS-IV	400 kV	18:51 HRS	22:12 HRS
400kV Parli(PG)-Pune GIS-I	400 kV	18:51 HRS	23:15 HRS
400kV Parli(PG)-Pune GIS-II	400 kV	18:51 HRS	21:16 HRS

5. **Actions taken:** Immediately HVDC Chandrapur-Padghe flow was increased to 1500 MW (full) & Koyna Generation increased by 500 MW to control the loading on 400kV Pune-Pune GIS-III. All affected elements except 400kV Bus-I at Pune GIS (Under investigation) progressively restored by 09:47 HRS of 12.06.2016.

  
(Shift Charge Manager)