

**POWER SYSTEM OPERATION CORPORATION LIMITED**  
**NATIONAL LOAD DESPATCH CENTRE**  
**Flash Report**

1. **Date and time of the Incident: 16:56 Hrs. , 18.05.16**

2. **Antecedent Conditions:**

- i. Frequency: Pre incidence : 50.01 Hz  
Post Incidence: 50.02 Hz
- ii. Power flow on 765 kV Solapur-Raichur-2X SC = 200 MW/circuit
- iii. Flow on HVDC Talcher-Kolar = 1500 MW
- iv. Flow on HVDC Gazuwaka = 500 MW
- v. Flow on HVDC Bhadrawati = 1000 MW

3. **Details of tripping as per sequence at NLDC:**

765 kV Solapur-Raichur-2 tripped on Y-N fault at 16:56 hrs and 765 kV Solapur-Raichur-I tripped on Y-N fault at 16:57 hrs. However the SR Grid remained synchronized with NEW Grid through 400 kV Kolhapur-Kudghi-D/c.

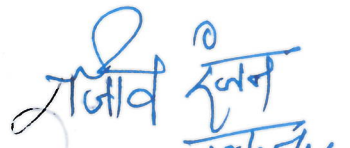
Sl. No.	Line Name	PMU Indication	Tripping Time
1.	765 kV Solapur-Raichur-2	Y-N fault	16:56
2.	765 kV Solapur-Raichur-1	Y-N fault	16:57

4. **Actions taken :**

Immediately the flow on HVDC Talcher-Kolar Bipole was increased from 1500 MW to 2000 MW to control the loading on 400 kV Kolhapur-Kudghi-D/c (Flow in 400 kV Kolhapur – Kudgi touched a maximum of 500 MW per circuit) and 765 kV Raichur-Kurnool-I was taken out of service to control the voltage at Raichur end.

5. **Restoration:**

Co-ordinated with SRLDC and WRLDC for early restoration. 765 kV Solapur-Raichur-I was revived at 17:36 hrs and 765 Solapur-Raichur-II was revived at 17:43 hrs. Further details are being collected from the affected substations/power stations.

  
SCE/NLDC 18/05/16