



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/Apr-28/GD 1

Incident: 220 KV Bus-B fault at Padghe S/S (MSEB)

1. Date and Time: 28/04/2016 15:57 Hrs

2. Antecedent Conditions

I. Frequency of NEW Grid/SR Grid

Event	Frequency	Time(hh:mm)
Pre incident	50.10	15:56
Post Incident	50.06	15:58

2. Reason for Tripping: 50 MVA 220/22kV BHEL T/F, Y-ph, stub bus suspension string decapped (i.e. CT to line Isolator jumper). As 50 MVA BHEL T/F is on B-Bus; 220kV B-bus fault occurred which resulted in tripping of all the 220kV B-Bus lines and ICTs.

3. Areas Affected By Disturbance: Padghe, Nalasopara Areas. Load loss around 336 MW.

4. Elements affected:

Feeder	Tripping time	Restoration time	Remarks
220kV Bus-Coupler	15:57 Hrs	16:26 Hrs	
315MVA, 400/220/33kV ICT-3	15:57 Hrs	16:36 Hrs	
315MVA, 400/220/33kV ICT-1	15:57 Hrs	16:32 Hrs	
200 MVA 220/100kV ICT-3	15:57 Hrs	16:37 Hrs	
200 MVA 220/100kV ICT-2	15:57 Hrs	16:38 Hrs	
50 MVA, 220/22kV BHEL T/F	15:57 Hrs	Under breakdown	
220kV Jambhul-2	15:57 Hrs	16:42 Hrs	
220kV Nashik-2	15:57 Hrs	16:43 Hrs	
220kV Temghar-2	15:57 Hrs	16:41 Hrs	
220kV Wada	15:57 Hrs	16:40 Hrs	

220kV Nalasopara	15:57 Hrs	16:36 Hrs	
Chandrapur-Padghe HVDC Pole-II	15:57 Hrs	17:56 Hrs	Auxiliary power supply failed
Chandrapur-Padghe HVDC Pole-I	16:00 Hrs	16:57 Hrs	Auxiliary power supply failed

5. Actions Taken: All elements progressively restored by 17:56 Hrs of 28/04/2016.

(Shift Charge Manager)