



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/Dec-15/GD 1

Incident:

1. Date and Time: 10/12/2015 19:52 Hrs.

2. Antecedent Conditions

I. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	50.01	19:50
Post Incident	50.07	19:54

Maharashtra Demand: 16071 MW and Western Region Demand: 40556 MW.

3. Reason for Tripping: At 400kV Padghe s/s, 400KV Padghe-Babhaleshwar-I circuit was under outage for Line & S/s bay Equipments maintenance works from 09:03Hrs dated: 10.12.2015. After completion of maintenance works all work permits were cancelled at both ends & after cancellation of Cross Permit Earth isolator opened at both ends & then A-Bus isolator & Line isolator closed at Padghe end but at the very same instance **heavy sparking** observed at **Y ph CB pole & Y pole of CB Burst** thereafter. Hence, in order to avoid the bus fault possible A-bus isolator of 400kv Padghe- Babhaleshwar-I line at Padghe end opened. But, **while opening this Bus isolator heavy ARC observed on its Y-phase of this A-bus isolator and @ 19:52 Hrs A-BUS Fault occurred** & all the lines & ICT's on A-Bus were Tripped [400kV kharghar, Tarapur 1, kalwa 1, Babhaleshwar 1(under outage) ,Nagothane 2, 400 kv HVDC-2 , ,315 MVA 400/220kv ICT 1 and 315 MVA 400/220kv ICT 2 Bus Coupler].

3. Areas Affected By Disturbance: Bhiwandi, Shahapur, Wada, Murbad, Ambernath, Mohane, Rajlaxmi, Vasind, Gayatri Nagar, Shanti Nagar, Taloli and Chavindra.

4. Generation Loss: Nil

5. Load loss : About 364 MW.

4. Elements Affected:

<u>Sr.no</u>	<u>Element</u>	<u>Tripping</u> <u>Date/Time</u> <u>10.12.2015</u>	<u>Restoration</u> <u>Date/Time</u>
1	400kvbus -coupler	19:52	20:05
2	315MVA 400/220/33KV ICT-1	19:52	20:14
3	315MVA 400/220/33KV ICT-2	19:52	S/O
4	400KV Kalwa-1	19:52	20:23
5	400 KV KHARGHAR	19:52	20:35
6	400 KV HVDC 2	19:52	20:10
7	400 KV Nagothane 2	19:52	20:21
8	400KV Tarapur-1	19:52	20:58

5. Actions Taken: Subsequently, Load Trimming Scheme –STAGE-I OPERATED due to that 364MW load affected. After isolation of 400kv Padghe-Babhaleshwar-I; 400kv BUS-A charged at 20:05Hrs through Bus Coupler.

6. Current Status: Restoration under progress. Details awaited from MSETCL is awaited

MSETCL requested to furnish the details of tripping along with relevant Relay indications, DR/EL.

(Shift Charge Manager)