



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

Msg no:04/2213

Date:27/04/13.

WRLDC/April-13/GD-1

Incident: Black out at Balco Generating Station(2X67.5 MW) due to tripping of 400kv evacuation lines at Balco TPS

1. Date and Time:27/04/2013 at 15:07 Hrs

2. Antecedent Conditions

I. Frequency of NEW Grid

Event	Frequency	Time(hh:mm)
Pre incident	50:013	15:06
Post Incident	49.98	15:08

II. Demand Met

Sl.No	Area/Region	Demand Met(MW)
1	WR	36302
2	Gujarat	11387
3	Maharashtra	15059
4	Madhya Pradesh	5000
5	Chhattisgarh	2588
6	Goa	398
7	DD	255
8	DNH	592

2. Reason for Tripping: The Two emanating 400kv lines from Balco Generating Station(67.5X2 MW) are 400KV Balco-Korba(NTPC)-S/C and 400KV Balco –B’singhpur-S/C. The Line Balco-Koba(NTPC) got tripped at 15:07 hrs on R- PH to Earth Fault and operation of DPR at Balco end. Consequently on tripping of Balco-Korba(NTPC), the other line i.e Balco –B’singpur got tripped on High voltage. The length of the Balco-Korba(NTPC) is 24 Km and the length of Balco- B’Singhpur-S/C is 240 Km. There is NO Line reactor at Balco end.

3. Areas Affected By Disturbance: No Loss of Load.

4. Elements affected:

S.No	Name of line	OUTAGE TIME	RESTORATION TIME
1	400KV Balco-Korba(NTPC)-S/C	15:07	17:35 Hrs
2	400kv Balco-B'singhpur-S/C	15:07	15:54 Hrs

5. Actions Taken: Code issued for test charge both the lines and consequently lines were taken in service.

6. Current Status:

Both emanating lines from Balco Generating station were restored and generators are lighted up

(Shift Charge Manager)