



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

WRLDC/NOV-14/GD 1-01

Incident: 220 KV BUS FAULT AT BIRSHINGPUR OF MP.

1. Date and Time: 13/11/2014 12:46 Hrs

2. Antecedent Conditions

I. Frequency of NEW Grid/SR Grid

Event	Frequency	Time(hh:mm)
Pre incident	50.03	12:40
Post Incident	49.95	12:50

II. Demand Met

Sl.No	Area/Region	Demand Met(MW)
1	WR	43005
2	Gujarat	12783
3	Maharashtra	17435
4	Madhya Pradesh	9013
5	Chhattisgarh	2264
6	Goa	339
7	DD	250
8	DNH	600

2. Reason for Tripping: Due to bursting of R-Phase Pole of GT-2 breaker at 220 KV Bus of Birshingpur S/S of MP while trying to synchronize Unit-2(unit 1 and 2 were out) resulted in to bus fault.

4. Generation loss: Approximately 840 MW

3. Areas Affected By Disturbance: No area was affected, but to control line loading of Satna ICTs and Satna-Katni 220 KV lines load shedding of about 150 mw was implemented around Satna, Riva and Katni area. Hydro generation was picked up to meet the load immediately.

4. Elements affected:

Sl.No	Name of Element	Tripping time	Restoration time
1	Unit-3 210 MW	12:46	S/O
2	Unit-4 210 MW	12:46	S/O
3	Unit-5 500 MW	12:46	S/O
4	400 KV Birsingpur-Damoh CKT-I	12:46	S/O
5	400 KV Birsingpur-Damoh CKT-II	12:46	S/O
6	400 KV Birsingpur-Katni CKT-I	12:46	S/O
7	400 KV Birsingpur-Balco S/C	12:46	S/O
8	400 KV Birsingpur-Vandana S/C	12:46	S/O
9	400/220 KV, 315 MVA ICT	12:46	S/O
10	220 KV Birsingpur-Birsingpur CKTs I,II,III and IV	12:46	S/O
12	220 KV Birsingpur-Sukha S/C	12:46	S/O
13	220 KV Birsingpur Satna S/C	12:46	S/O

5. Restoration is under process.

6. MP L/D has been advised to furnish details, as soon as received will be send.

(Shift Charge Manager)