



V2

**Power System Operation Corporation Limited**  
**Western regional Load Despatch Centre**

**FLASH REPORT** — 27/04/14 - 1

(AD-I)

MESSAGE NO- LD/4/2707

DATE: 27/04/14

**Incident:**

1. Date and Time: 26/4/2014 and 23:57:37 HRS

**2. ANTECEDENT Conditions**

I. Frequency of NEW Grid

Event	Frequency (Hz)	Time(hh:mm)
Pre incident	49.829 Hz	23:57:00
Post Incident	49.91 Hz	23:58:00

II. Demand Met

Sl.No	Area/Region	Demand Met(MW)
1	WR	39641
2	Gujarat	11752
3	Maharashtra	16429
4	Madhya Pradesh	6512
5	Chhattisgarh	3293
6	Goa	315
7	DD	258
8	DNH	645
9	ESIL	437

3. Elements affected:

7/2

- i) At 23:57:32 hrs / 26.04.2014 220KV Bhatapara-Bhatapara (PACIL) S/C tripped due to R-ph CT blast at c/garh end.
- (ii) subsequently 220 KV Bhatapara-Doma, 220KV Bhatapara-Suhela and 220/132KV transformers of 160MVA, & 125MVA at Bhatapara tripped resulting in bus dead at 220KV Bhatapara & 132KV Bhatapara. The feeders tripped along with restoration time are given below:

220KV Feeder	Restoration time
1. Bhatapara-Bhatapara (PACIL) S/C	yet to be restored.
2. 220KV Bhatapara-Doma S/C	00:18 hrs / 27.4.14
3. 220KV Bhatapara-Suhela S/C	00:21 hrs / 27.4.14
4. 160MVA, 220/132KV transformer at B'para	00:20 hrs / 27.4.14
5. 125MVA, 220/132KV transformer at B'para	00:23 hrs / 27.4.14
6. 40MVA, 132/133KV transformer at B'para	00:21 hrs / 27.4.14
7. 132KV traction I & II	00:21 hrs / 27.4.14
8. 132KV Bhatapara-Simga-3 & II	00:24 hrs / 27.4.14
9. 132KV Bhatapara-Baloda B&3 S/C	00:25 hrs / 27.4.14
10. 132KV Bhatapara-Lajarah S/C	00:25 hrs / 27.4.14
11. 132KV Bhatapara-Navagarh S/C	00:28 hrs / 27.4.14
12. 132KV Bhatapara-Mungeli S/C	00:28 hrs / 27.4.14
13. 132KV Simga-Bemitora S/C	00:05 hrs / 27.4.14

3. Areas Affected By Disturbance

Bhatapara (including traction) : 105 MW between 23:57 hrs - 00:21 hrs  
 Simga : 63 MW  
 Chakarbheta (fed radially from Simga) : 32 MW  
 Total: 200 MW

4. Actions Taken:

faulty element isolated and supply of all areas affected restored by 00:30 hrs / 27.4.14

Murali Krishna  
 (Shift Charge Manager) 27.4.14

Distribution:

S/I : NLDC, SLDC-GETCO, MPPTCL, MSETCL, CSPTCL, GOA, DD, DNH, Control room: NTPC, CGPL  
 AGM/GM-WRLDC, MS-WRPC