

Power System Operation Corporation Limited
Western Regional Load Despatch Centre, Mumbai

Flash Report

MESSAGE NO- LD/11/ 3769 CATEGORY: GD-I

DATE: 30/11/14

1. Date and Time of the Event: 30/11/2014, 07:52HRS
2. Location (Control Area) where the event occurred: 400/220kV Amreli S/S
3. Plant and / or Equipment directly involved:

S No.	Element Name	Outage time
1	220kV Amreli-Savarkundla-I	07:52hrs
2	220kV Amreli-Dhasa-II S/C	07:52hrs
3	400/220kV ICT-I at Amreli	07:52hrs
4	400/220kV ICT-III at Amreli	07:52hrs
5	220/66kV ICT-II at Amreli	07:52hrs

4. Description and likely cause of event:
As intimated by SLDC, GETCO, Gotri, 220kV Bus Coupler tripped in Z-1 and BB/LBB operated resulting in tripping of above elements connected to 220kV Bus-II.
5. Antecedent Conditions of the WR Grid at 07:50 hrs
 - a. Grid Frequency (Hz): 49.76HZ
 - b. Region Demand Met (MW): 40748MW
 - c. Gujarat Demand met(MW): 11486MW
6. Antecedent Conditions of the affected Control Area (where the event occurred) (Interchange with the Grid, Voltage, power flow, weather condition prior to the event)
Weather : Normal
Loading on Amreli ICTs : 142MW/ICT on 3 ICTs

7. Impact on Grid parameters / Observations due to the event:

No generation lost. The loading on 400/220kV ICT-II @Amreli increased resulting in SPS operation of disconnection of about 7MW load at 66kV Gavadka (2MW) and 66kV Chittal(5MW). The loads were restored at 08:05hrs and 08:13hrs respectively.

8. Remedial Measures / Actions taken after the event:

220kV Bus Coupler charged at 08:20hrs and rest of feeders restored one after and another.

9. Current Status:

All tripped elements were restored and loads restored.

S No.	Element Name	Restoration time/ Status
1	220kV Bus coupler	08:20HRS
2	400/220kV ICT-I at Amreli	08:20 HRS
3	220/66kV ICT-II at Amreli	08:20 HRS
4	220kV Amreli-Savarkundla-I	08:30 HRS
5	220kV Amreli-Dhasa-II S/C	08:30 HRS
6	400/220kV ICT-III at Amreli	12:20 HRS

In compliance to regulation 5.2 (s) and 5.9.6 of the IEGC, S/I SLDC,GETCO, Jabalpur (the Regional Entities where the event has occurred) is advised to send a written report along with disturbance recorder / sequential event recorder output to WRLDC for the purpose of analysis. (Preliminary report received.)


(Shift Charge Manager)

Distribution:

- Shift Incharge all Regional Entities of Western Region
 - SLDC- GETCO, MPPTCL, MSETCL, CSPTCL, GOA, DD, DNH, ESIL
 - NTPC, CGPL, SASAN, LANCO, NSPCL, NCA, DB Power, JPL, KSK Mahanadi, Essar (Mahan), GMR (EMCO), KWPCCL
- Shift Incharge, NLDC, New Delhi
- Member Secretary (WRPC), Mumbai

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- Reliability Coordinators / Addl. General Manager / General Manager, WRLDC