



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

Flash Report

MESSAGE NO- 30-April/2016/GD1

DATE: 30/04/2016

1. **Date and Time of the Event:** At 15:04 hrs of Dt. 30-April-2016
2. **Location (Control Area) where the event occurred:** Black Out at MB Power S/s
3. **Plant and / or Equipment directly involved:** MB Power Unit-1 & 2 (600 MW) got tripped at 15:04 hrs due to tripping of both the evacuation lines

S N o	Line Name	Out	Time	Restore	Time	Reason for Outage
1	MB Power Unit-1	30-04-2016	15:04:00	1/5/2016	15:26:00	GT-2 B-phase isolator spark occurred at 15:04 hrs due to which both 400 KV bus tripped on bus bar differential protection along with 400 kV MB Power-JBP(P) I & 2
2	MB Power Unit-2	30-04-2016	15:04:00	1/5/2016	1:05:00	
3	400kV Jabalpur-MB Power-1	30-04-2016	15:04:00	30-04-2016	15:55:00	
4	400kV Jabalpur-MB Power-2	30-04-2016	15:04:00	30-04-2016	16:11:00	

4. **Description and likely cause of event:** MB Power is evacuated through 400kV MB Power-Jabalpur-D/c Line. Before the tipping, MB Power plant was generating 1024 MW (496 Unit-1 and 528 Unit-2) . At 15:04 hrs MB Power-Jabalpur-1 & 2 tripped due to Bus bar differential protection operated on 400kV Bus at MB Power. The frequency drop from 50.06 Hx to 49.92Hz, a drop of 0.14HZ. The fall of 0.14 Hz due to loss of 1024 MW generation loss. This was a GD-1 event due to complete loss of supply at the generating station.
5. **Impact on Grid parameters / Observations due to the event:** Generation Loss of 1024 MW with the frequency drop of 0.14Hz

- 6. Restoration:** MB Power-Jabalpur-1 restored at 15:58 hrs and MB Power-Jabalpur-2 restored at 16:11 hrs

Charge Manager(SO)

Distribution:

1. Shift Incharge all Regional Entities of Western Region
 - a. JP Nigree, MPPTCL,
2. Shift Incharge, NLDC, New Delhi
3. Member Secretary (WRPC), Mumbai

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1. Reliability Coordinators /General Manager, WRLDC