



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

Msg no: 09/

Date: 6/09/13.

WRLDC/Sept-13

Incident: TRIPPING OF ALL UNITS AT TAMNAR

1. Date and Time: 06/09/2013 02:44 Hrs

2. Antecedent Conditions

I. Frequency of NEW Grid/SR Grid

Event	Frequency	Time(hh:mm)
Pre incident	50.02 Hz	02:43
Post Incident	49.82 Hz	02:48

II. Demand Met

Sl.No	Area/Region	Demand Met(MW)
1	WR	32618
2	Gujarat	10575
3	Maharashtra	12845
4	Madhya Pradesh	5248
5	Chhattisgarh	2656
6	Goa	397
7	DD	270
8	DNH	624

2. Reason for Tripping: 400kV Tamnar(JPL)-Raipur –I tripped at 02:06hrs on R-ph fault. While trial charging at 02:44hrs from Tamnar end the line did not hold and also 400kV Tamnar-Raipur-II tripped from Raipur end on D/T. As intimated by Tamnar, due to loss of both evacuation lines, all running three units tripped resulting in loss of 655MW generation. At 02:06Hrs , when Ckt-I tripped, U-2 tripped on SPS and also generation on other three units reduced by a total of about 90MW. Later it was intimated by JPL that R-ph conductor snapped on 400kV Tamnar-Raipur-I at about a distance of 15km from Tamnar.

**3. Areas Affected By Disturbance: Nil; only generation was lost.**

**4. Elements affected:**

Name of line (400kv)	OUTAGE TIME	RESTORATION TIME
1.Raipur-Tamnar-I	02:06hrs	Under fault rectification
2 Raipur-Tamnar-II	02:44hrs	03:02hrs

Name of units	OUTAGE TIME	RESTORATION TIME
1. JPL(Tamnar) unit-1	02:44hrs	07:28hrs
2. JPL(Tamnar) unit-2	02:06 hrs	07:34hrs
3. JPL(Tamnar) unit-3	02:44hrs	09:25hrs
4. JPL(Tamnar) unit-4	0244hrs	Still out

**5. Actions Taken:** 400kV Tamnar-Raipur-II was taken into service at 03:02hrs.

**6. Current Status:**

Rectification of conductor snap on 400kV Tamnar-Raipur-I is in progress. Unit-4 will be restored after the restoration of the line.

**(Shift Charge Manager)**