



# Power System Operation Corporation Limited

## Western regional Load Despatch Centre

### FLASH REPORT

MESSAGE NO- LD/07/ 1545

DATE:-15/07/2014

**Incident:** Black out at Essar Steel India Ltd.(ESIL) Hazira (GD-1)

1. Date: 15.07.14 Time 06:11 hours

#### 2. ANTECEDENT Conditions

##### i. Frequency of Grid

Event	Frequency ( Hz )	Time(hh:mm)
Pre incident	49.89	6:10
Post Incident	49.84	6:12

##### ii. Demand Met

Sl.No	Area/Region	Demand Met(MW)
1	WR	38505
2	Essar Steels India Ltd. (ESIL)	306

#### 3. Brief Description of the event (as reported from ESIL):

At 05:43 hrs on 15.7.14, 400 kV Jhanor-Hazira (Essar) circuit –II tripped distance protection (Z-1 Rph 35 km from Hazira end). Then at 06:11 hrs 400 kV Jhanor-Hazira (Essar) circuit –I tripped on Y phase fault (Z-1, 83 km from Hazira end). Line-1 was restored at 6:51 hrs but it again got tripped at 7:36 hrs on B-ph, Z-1 distance protection 44 km from Hazira end.

This resulted in total loss of power supply to ESIL Hazira causing a load loss of 306 MW.

#### 4. Elements affected:

Sl. No.	Name of the Element	Outage Time(hrs)	Restoration time(hrs)
1	400 kV Jhanor-Hazira (Essar)-II	05:43	Yet to be restored
2	400 kV Jhanor-Hazira (Essar)-I	06:11	6:51
3	400 kV Jhanor-Hazira (Essar)-I	7:36	Yet to be restored

**3. Areas Affected By Disturbance: ESIL Hazira**

**4. Current Status:** As intimated by ESIL the tripping are due to insulator failure. Restoration is under progress and lines are expected by 16:00 hrs of 15.7.14

  
15.7.14  
SCM, WRLDC. Mumbai.

**Distribution:**

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