



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/SEPT-2016/GDI

Incident: TRIPPING OF JP-NIGRI UNIT 1,2 AND CONNECTED EVACUATION LINES

1. Date and Time:02/09/2016 16:03Hrs

2. Antecedent Conditions

1. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	50.085	16:02:54
Post Incident	49.944	16:03:10

2. Reason for Tripping: Tripping of JP Nigri-Satna D/C on Y-Phase to Earth Fault.

3. Areas Affected By Disturbance:. NIL

Generation loss: 1051MW

No critical loadings observed.

4. Elements affected:

Name of Element Affected	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
400KV JP Nigri-Satna-1	16:03	17:51	Y-Phase to Earth Fault.
400KV JP Nigri-Satna-2	16:03	A/R Successfully operated	Tripped on Fault and A/R successfully operated
JP-Nigri Unit-1(660MW)	16:03	17:23	Evacuation Lines 400KV JP Nigri-Satna ckt-1 and 2 tripped on Y-Phase to Earth fault
JP-Nigri Unit-2(660MW)	16:03	18:57	Evacuation Lines 400KV JP Nigri-Satna ckt-1 and 2 tripped on Y-Phase to Earth fault

5. Actions Taken:

JP Nigri STOA Schedule curtailed upto 21:00Hrs and LTA was revised from 16:45Hrs.load is not affected. Ensured ckt-2 was in service and action was taken to restore ckt-2 and immediate restoration of unit-1.

6. Current Status: 400KV JP Nigri-Satna-1 restored at 17:51Hrs,Unit-1 is restored at 17:23 as JP Nigri-Satna ckt-2 was in service as the A/R operated successfully .Unit-2 was restored at 18:57Hrs.Present generation of both units at 19:26Hrs is 520MW.

S.S.VELAYUTHAM

(Shift Charge Manager)