



Power System Operation Corporation Limited

Western regional Load Despatch Centre

FLASH REPORT

WRLDC/December-2016/GD-01

Incident: Tripping of 220kV Kala-New Kharadpada-1 & 2, Vapi-Kharadpada-1&2 at 14:54hrs, consequent to black out of 220kV Kharadpada and New Kharadpada S/S of DNH.

1. Date and Time: 02/12/2016 14:54Hrs

2. Antecedent Conditions

1. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	49.98	14:47
Post Incident	50.10	15:00

2. Reason for Tripping: 220kV Kala-New Kharadpada-1 tripped at 14:54hrs on Y-B fault due to lying of Kite metallic tail on feeder.

3. Areas Affected By Disturbance: About 380 MW load was interrupted in DNH.

4. Elements affected:

Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
220kV Kala-New Kharadpada-1	14:54	17:50	Y-B fault
220kV Kala-New Kharadpada-2	14:54	16:56	Tripped at New Kharadpada end only due to tripping of 220kV Kala-New Kharadpada-1 on Y-B fault.
220kV Vapi-Kharadpada-1	14:54	15:23	Tripped on Zone-3 operation at Kharadpada end only

			due to tripping of 220kV Kala-New Kharadpada-1 on Y-B fault.
220kV Vapi-Kharadpada-2	14:54	15:28	Tripped on Zone-3 operation at Kharadpada end only due to tripping of 220kV Kala-New Kharadpada-1 on Y-B fault.
220kV Kharadpada-New Kharadpada-1	14:54		Restoration is under progress
220kV Kharadpada-New Kharadpada-2	14:54		Restoration is under progress

5. Actions Taken:

220kV Vapi-Kharadpada-1 & 2 feeders are normalized at 15:23hrs and 15:28hrs respectively.

6. Current Status:

All Feeders are restored except Kharadpada-New Kharadpada-1&2.

SLDC DNH is requested to intimate the details of tripping along with relevant relay/window indications, DR/EL and also requested to submit flash report of the incident.

R.K.Bhoi

(Shift Charge Manager)