



Power System Operation Corporation Limited

Western regional Load Dispatch Centre

FLASH REPORT

WRLDC/May-2017/GD1/23-05-2017

Incident: At 17:43 hrs. NTPC /Vindhyachal unit no 8, 9, 10(all 500 MW) tripped. As informed there was fire on Y phase GT transformer of VSTPP Unit no 8. Simultaneously 400 kV Vindhyachal- Jabalpur- I and 400 KV Vindhyachal- Satna ckt- III and ckt- IV also tripped.

1. Date and Time: 23/05/17 at 17:43 Hrs.

2. Antecedent Conditions

1. Frequency:

Event	Frequency(Hz)	Time(hh:mm:ss)
Pre incident	49.97	17:41:49
Post Incident	49.83	17:44:49

2. Reason for Tripping:

Due to reported bursting of Y PH L.A and resultant fire, Vindhyachal unit no 8 got tripped. Detailed report/ confirmation awaited. Simultaneously VSTPP Unit no 9 and 10 got tripped. Reason awaited.

3. Areas Affected By Disturbance: Generation loss of around 1400 MW in NTPC/VSTPP due to tripping of VSTPP Unit no 8, 9, 10

4. Elements affected:

Units/Feeder/ICT	Tripping time (hh:mm)	Restoration time(hh:mm)	Remarks
VSTPP UNIT NO 8	17:43		Reported bursting of Y PH L.A and resultant fire. Exact reason awaited

VSTPP UNIT NO 9	17:43		Tripped on unit protection. Reason awaited
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400 KV Vindhyachal – Jabalpur- I	17:43		B phase to earth
400 KV Vindhyachal – Satna- III	17:43	19:20	DT received at Satna
400 KV Vindhyachal – Satna- IV	17:43	19:02	Tripped at Vindhyachal end only
HVDC Vindhyachal Block -I	17:43	18:43	DC Over current protection

5. Load Affected: Around 1400 MW of Generation loss occurred in NTPC/Vindhyachal.

6. Actions Taken:

NTPC/VSTPP Schedule was revised from 18:15 hrs. Message was send to all constituents and Generators to maintain drawl/injection as per schedule and strictly avoid over drawl to maintain frequency with in IEGC. Boiler of unit-9 lighted up at 18.05 hrs and Unit-10 at 18.15 hrs. HVDC Vindhyachal Block –I restored at 18:43 hrs.

7. Current Status:

400kV VSTPS-Satna ckt 3&4 are restored back.

Boiler of unit-9 lighted up at 18.05 hrs and Unit-10 at 18.15 hrs.

8. Further action required:

Details of tripping along with Relays/DR/EL to be furnished by NTPC/Vindhyachal and CPCC/Vadodara.

S.S.Velayutham

(Shift Charge Manager)