



Power System Operation Corporation Limited Western Regional Load Despatch Centre

GRID EVENTS FOR COMPUTATION OF FREQUENCY RESPONSE CHARACTERSTICS

Last updated on : 29.08.2018

DATE	ANTECEDENT TIME (A)	POST EVENT TIME (B)	Delta f (in Hz)	Delta P (in MW)	Event Description
	From Synchrophasor data				
29.08.2018	04:02:10	04:03:30	0.05	1200	On 29th Aug 2018 at 04:02 Hrs, 400kV Rampur-Nalagarh Ckt-1 Auto Reclosed Successfully and 400kV Rampur-Nalagarh Ckt-2 tripped on B-N fault, consequently the incident led to SPS operation at NJPC and Rampur Hydro stations causing tripping of 2 nos. units in each station, generation loss of 500 MW and 130 MW respectively. Further, at Karcham Wangtoo, Units-2 and 4 went into NLNE mode (No Load Not Excited) causing generation reduction of around 500 MW. Total Generation Loss reported was around 1200 MW.
12.08.2018	15:31:00	15:31:50	0.046	852	400 KV Rangpo – Binaguri II tripped on B-N phase fault, SPS –I operated and resulted into tripping of all running units of Teesta 3 (Except Unit one Unit) , one unit each of Jorethang, Tashiding, Chujachen and both units of Dikchu. As per NLDC SCADA Data, Generation loss at this point was 852 MW.
07.08.2018	14:17:00	14:18:00	0.04	890	On 07th August 2018 at 14:17Hrs, KSK unit #2 & unit #4 tripped on operation of reverse power relay. Total Generation loss is around 890 MW.
06.08.2018	13:06:20	13:06:30	0.05	1300	On 06 Aug 18, at 13:06 hrs, all lines emanating from 400 kV Lonikhand and Chakan tripped at 13:06 hrs. Prior to tripping, MSETCL was attending broken insulator in Chakan Bus coupler. As intimated by Maharashtra SLDC about 1300MW load thrown off in Pune.