



# Power System Operation Corporation Limited

## Western regional Load Despatch Centre

### FLASH REPORT

**WRLDC/May-2016/GD 1**

**Incident:** Tripping of at 220k.V Akrimota TPS and KLTPS

**1. Date and Time:**19/05/2016,16:57Hrs.

#### **2. Antecedent Conditions**

1. Frequency of NEW Grid/SR Grid

Event	Frequency(Hz)	Time(hh:mm)
Pre incident	49.94	16:56
Post Incident	50.02	17.00

**2. Reason for Tripping:**Due to tripping of 220k.V evacuation lines 220k.VAkrimota(GETCO-ALTPS)-Panadhrao(GETCO-KLTPS)-I and II ,220k.VAkrimota(GETCO-ALTPS)-Nakhatrana(GETCO)-1 &2,220 k.VPanadhrao(GETCO-KLTPS)-Nakhatrana(GETCO)-II, the ALTPS units -1&2 (125MW each), KLTPS units 1,2,3,4 (70,70,75,75MW) got tripped. Generation loss in Akrimota is 170MW and KLTPS is 240MW.**Reported that Y Phase Breaker blast of Panadhrao(GETCO-KLTPS)-Nakhatrana(GETCO)-II had occurred and other lines tripped on 3 Ph fault in general.**

**3. Load Loss and Areas Affected byDisturbance:** Load loss is around 165 MW. Nearby areas of PanadhraoAnjar ,Kukma (Near Bhuj) were affected.

**4.0 Generation loss:**KLTPS: 240MW,Akrimoto TPS: 170MW (total :L 410MW)

#### **5. Elements affected:**

Feeder: Voltage Rating:220k.V	Tripping time (HH:MM)	Restoration time(HH:MM)
Akrimota(GETCO-ALTPS)-Nakhatrana(GETCO)-I	16:58	17:23
Akrimota(GETCO-ALTPS)-Nakhatrana(GETCO)-II	16:58	
Akrimota(GETCO-ALTPS)-Panadhrao(GETCO-KLTPS)-I	16:58	17:43
Akrimota(GETCO-ALTPS)-Panadhrao(GETCO-KLTPS)-II	16:58	17:50
Panadhrao(GETCO-KLTPS)-Nakhatrana(GETCO)-I	16:57	
Panadhrao(GETCO-KLTPS)-Nakhatrana(GETCO)-II	16:57	17:08
Panadhrao(GETCO-KLTPS)-Kukma(GETCO)-I	16:57	20:06

**5. Actions Taken:** Immediately, 5nos of 22ok.V lines as indicated above were restored back one by one. Units are in the process of restoration.

**6. Current Status:**

5 nos of 220k.V lines were restored back and supply were restored to the affected areas.220k.V Panadhrao(GETCO-KLTIPS)-Nakhatrana(GETCO)-I is under process of restoration. Units are also in the process of restoration

S. S. VelayuthamS  
**(Shift Charge Manager)**

**CC to SLDC/GEB:**

SLDC,Vadodara is requested to furnish the details of tripping along with relevant relay/window indications, DR/EL and the restoration details.