

# Detailed Report

Date of Submission : 07-05-2026 15:28

SAEL2 - 220KV tripped at 06-05-2026 19:42 and restored at 06-05-2026 23:45

Summary of Event (घटना का सारांश) : Both ends tripped due to Line Differential fault. After transmission line patrolling, test charging was carried out and the line was found healthy.

Time and Date of the event (घटना का समय और दिनांक) : 06-05-2026 19:42

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : SAEL2 - 220KV

Event Category (श्रेणी के साथ इवेंट प्रकार) : GD - 1

Location/Control Area (स्थान/नियंत्रण क्षेत्र) : ANDHRA PRADESH

Configuration of Bus (HV/LV) . Along with details of Bus split Operation (if any) :

Bus Configuration Type :

Bus Coupler Status : NA

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements

**Station Connectivity / SLD** :  
**during antecedent**

**Weather Conditions** :

**Elements under outage** :  
**prior to the event**

**Other Information** : There was a full rainy and thunder conditions  
**(Antecedent Cnditions)** weather from evening.

**Renewable Energy Trip** : False

**Details of SPS Operation** : False  
**(if any):**

**Reason of tripping** : Others

Other Reason : Relay operated on the Line differential fault.

**Load and Generation Loss** :  
**(लोड और जेनरेशन हानि)**

Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	0 MW

**Duration of interruption** :  
**(रुकावट की अवधि)**

**Details of Equipment** :  
**Failure (if any during the**  
**event):**

Equipment Type	Equipment Make
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**List of elements tripped** : 1. Kurnool3\_SAEL2\_S  
**during the event** 2. SAEL2 - 220KV

**Station Connectivity/SLD** :  
**during the event**

**Analysis of the event** : There was a heavy rain lightning and  
thunder during the trip and tripped at both  
the PGCIL end at site.

<b>Protection / Operational Issues observed</b>	:	
<b>Restoration Details</b>	:	
<b>DR Time synchronization issues observed (सुरक्षा/प्रचालन समस्या)</b>	:	False
<b>Remedial Measures Taken (सुधारात्मक सुझाव)</b>	:	Transmissin line patrolling done.
<b>Relay/PLCC Operation Details</b>	:	
Control Panel Anunciation	:	MAIN-01 DIFF OPTD, MAIN-02 DIFF OPTD, 86A OPTD,86B OPTD
Main I Relay Indications	:	DIFF OPTD
Main II Relay Indications	:	DIFF OPTD
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	10.0
LA Counter	:	
Remarks	:	
<b>Attachments</b>	:	