Detailed Report

Date of Submission : 23-09-2026 17:11

SAEL2 - 220KV tripped at ***16-09-2026 08:40*** and restored at ***16-09-2026 11:05***

Summary of Event (घटना का सारांश)	:	Tripped at both ends dur to the line differential fault on B phase due to insulator failure.
Time and Date of the event (घटना का समय और दिनांक)	:	16-09-2026 08:40
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 : Single Bus

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	:	Normal, Windy

Elements under outage prior to the event : 1. 220KV-KURNOOL_PG_III-SAEL2-1

Other Information (Antecedent Cnditions) : Line differential fault.

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : Line differential fault.

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
1500 MW	0 MW

Duration of interruption (रुकावट की अवधि) :

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

Equipment Type	Equipment Make

List of elements tripped during the event : 1.

Station Connectivity/SLD during the event :

Analysis of the event : "Following the tripping event, fault analysis indicated the fault location near Tower No. 1 IA/3. During subsequent inspection, failure Of the B-phase transmission line insulator was confirmed at the tower.

Protection / Operational Issues observed :

Restoration Details	:	
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	Replaced the faulty insulator and charged with the new one
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	MAIN-OI DIFF OPTD, MAIN-02 DIFF OPTD ,86A OPTD, 86B OPTD
Main I Relay Indications	:	DIFF OPTD, B-PHASE OPTD
Main II Relay Indications	:	DIFF OPTD
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	None
LA Counter	:	
Remarks	:	
Attachments	:	