Detailed Report

Date of Submission : 08-10-2026 12:15

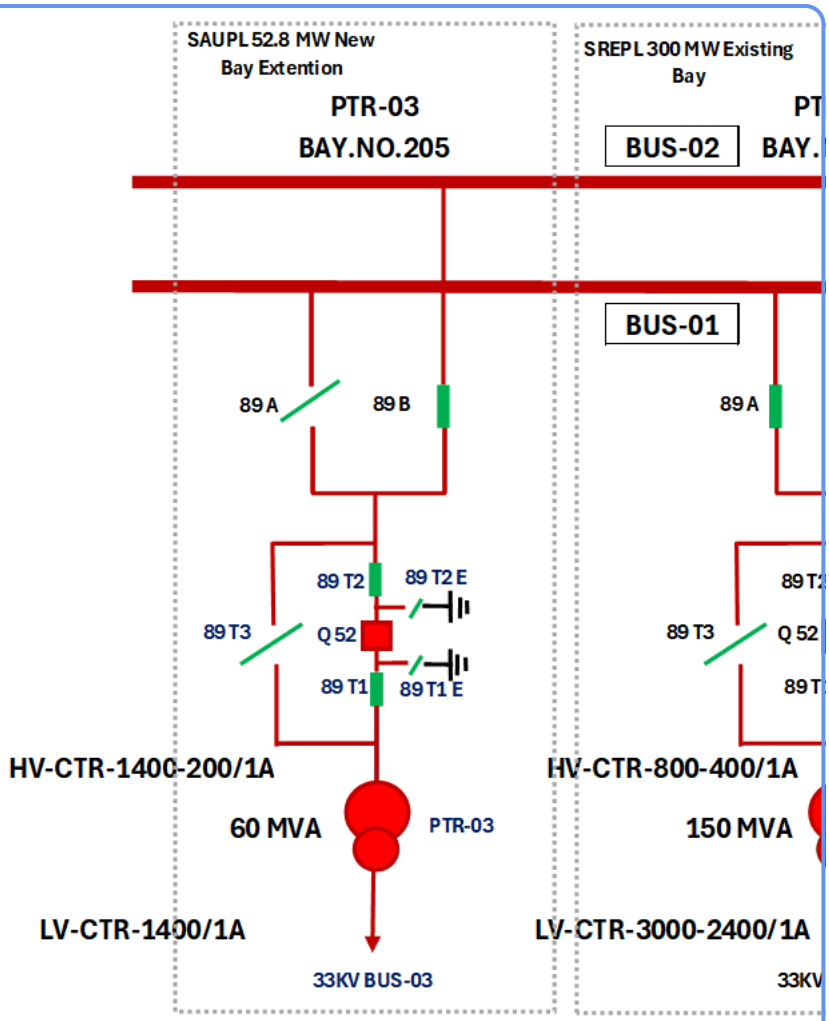
SPRING_PUGALUR - 230KV tripped at ***29-09-2026 15:18*** and restored at ***29-09-2026 17:55***

Summary of Event (घटना का सारांश)	:	As per Relay indication ZONE-03 Start, Phase Selection start Yph & Bph, Zone-02 Start only available. No Protection operated and no command issued for Breaker Open operation. No carrier signal Send or received. Pre fault Current in Rph-18.47 A, Yph-17.89 A, Bph-13.14 A, Neutral - 8.95 A. No abnormalities or observations were found during the 230 kV transmission line patrolling. SPRNG End 230KV Line Breaker not tripped only incoming supply failed due to Breaker tripped at PGCIL End. At the time of restoration SPRNG Breaker manual tripped and proceeded for test charge.
Time and Date of the event (घटना का समय और दिनांक)	:	29-09-2026 15:18
Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) :	:	SPRING_PUGALUR - 230KV
Event Category (श्रेणी के साथ इवेंट प्रकार)	:	GD - 1
Location/Control Area (स्थान/नियंत्रण क्षेत्र)	:	TAMILNADU
Configuration of Bus (HV/LV) . Along with details of Bus split Operation (if any)	:	

Bus Configuration Type : Double Bus with Bus coupler

Bus Coupler Status : NA

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
1. 230KV-PUGALUR-SPRING_PUGALUR-1			

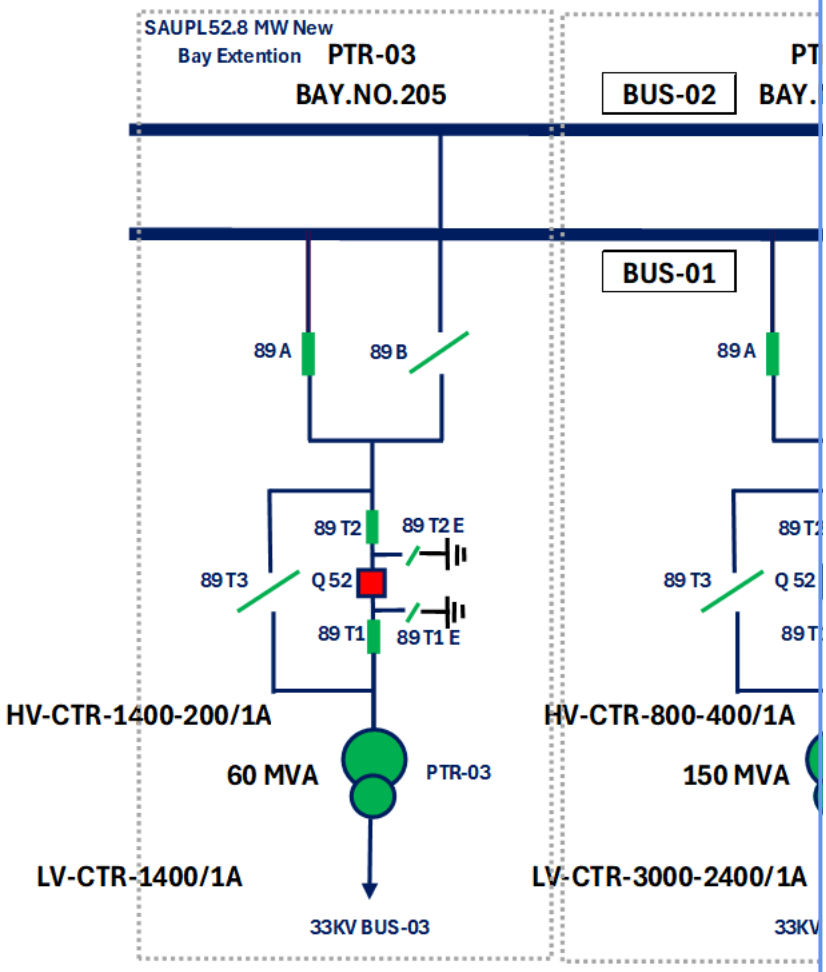
Station Connectivity / SLD during antecedent	:	
Weather Conditions	:	Cloudy
Elements under outage prior to the event	:	
Other Information (Antecedent Cnditions)	:	Station condition was normal. No breakdown or shutdown prior to fault condition. Generation was 0 MW perior to fault.
Renewable Energy Trip	:	False
Details of SPS Operation (if any):	:	False
Reason of tripping	:	Fault Tripping
Type of Fault	:	LL
phases inv	:	
Auto Reclosure Operation	:	No
Fault Clearing Time (ms)	:	None
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**

List of elements tripped during the event	:	1. 230KV-PUGALUR-SPRING_PUGALUR-1
Station Connectivity/SLD during the event	:	
Analysis of the event	:	As per Relay indication ZONE-03 Start, Phase Selection start Yph & Bph, Zone-02 Start only available. No Protection operated and no command issued for Breaker Open operation. No carrier signal Send or received. Pre fault Current in Rph-18.47 A, Yph-17.89 A, Bph-13.14 A, Neutral - 8.95 A. No abnormalities or observations were found during the 230 kV transmission line patrolling. SPRNG End 230KV Line Breaker not tripped only incoming supply failed due to Breaker tripped at PGCIL End. At the time of restoration SPRNG Breaker manual tripped and proceeded for test charge.
Protection / Operational Issues observed	:	There is no observation of Ph to Ph fault in 230KV Line. But, Protection relay sensed the fault at PGCIL end and initiated the tripping at PGCIL End. Further, no carrrier communication exchange has been noticed. SPRNG End Relay not intiated the the Breaker did not operation.
Restoration Details	:	Line Breaker at SPRNG End not tripped. Incoming supply failed due to Breaker Tripped at Remote End. After line patrollling 230KV SPRNG-Pugalur Line tested and stood ok.
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	The following are the possible causes that may not have been identified during the patrolling activity: 1. Jumper open/disconnection 2. Conductor disconnection/snapping 3. Foreign or miscellaneous objects causing flashover or short circuit Test charged done line was holding at both ends.
Relay/PLCC Operation Details	:	

Control Panel Anunciation	:	No Protection Operation at SPRNG End
Main I Relay Indications	:	General Trip
Main II Relay Indications	:	General Trip
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	None
LA Counter	:	
Remarks	:	Line Breaker at SPRNG End not tripped. Incoming supply failed due to Breaker Tripped at Remote End
Attachments	:	