Detailed Report

Date of Submission : 23-09-2026 12:29

LOWER_SILERU - 220KV tripped at ***23-09-2026 03:16*** and restored at ***23-09-2026 04:52***

Summary of Event (घटना का सारांश)	:	Lower Sileru BUS-2 dead due to Tripping of LS-ASPK feeder on Asupaka end and LS-Chinthuru feeder tripped on BG Kothuru end so LS-Chinthuru 220 KV feeder becomes Radial feeder and also No Generating Units on BUS-2 hence BUS-2 become Dead
Time and Date of the event (घटना का समय और दिनांक)	:	23-09-2026 03:16
Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) :	:	LOWER_SILERU - 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 : 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. 220KV-BOMMUR-LOWER_SILERU-1 2. 220KV-DONKARAYI-LOWER_SILERU-1	1. 220KV-ASUPAKA-LOWER_SILERU-1 2. 220KV-LOWER_SILERU-Chintur-1		

Station Connectivity / SLD during antecedent : Asupaka and Chinthuru 220 KV feeder connected to BUS-2 and Bommuru and Donkarai 220 KV feeder connected to BUS-1 and No Units not connected to BUS-1 and BUS-2

Weather Conditions : Rainy

Elements under outage prior to the event : 1. LOWER_SILERU - 220KV - Bus 2

Other Information (Antecedent Cnditions) : The 220KV Bus-2 dead ASPK & B.G . Kothur tripped at their ends and CNTR@ LS end OK.

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : The 220KV Bus-2 dead ASPK & B.G . Kothur tripped at their ends.

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.
Station Connectivity/SLD during the event	:	Asupaka and Chinthuru 220 KV feeder connected to BUS-2 and Bommuru and Donkarai 220 KV feeder connected to BUS-1 and No Units not connected to BUS-1 and BUS-2
Analysis of the event	:	ower Sileru BUS-2 dead due to Tripping of LS-ASPK feeder on Asupaka end and LS-Chinthuru feeder tripped on BG Kothuru end so LS-Chinthuru 220 KV feeder becomes Radial feeder and also No Generating Units on BUS-2 hence BUS-2 become Dead
Protection / Operational Issues observed	:	
Restoration Details	:	LS-Chinthuru 220 KV feeder charged at LS end @04.52 Hrs
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	
Relay/PLCC Operation Details	:	

Control Panel Anunciation	:	Main-1 : C-N, Fault duration:1.132 Sec, Fault current IC: 461.7A , Main-II: AR operated,C-G, Fault Location: 84.6KM
Main I Relay Indications	:	C-N, Fault duration:1.132 Sec, Fault current IC: 461.7A
Main II Relay Indications	:	C-G, Fault Location: 84.6KM
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	0.4617
LA Counter	:	
Remarks	:	The 220KV LS- Chintur feeder is charged @4:52Hrs on 23.09.2026 and LS-ASPK feeder is remain in tripping condition,
Attachments	:	