Detailed Report

Date of Submission : 16-09-2026 16:12

SHARAVATHY - 220KV tripped at ***12-09-2026 01:59*** and restored at ***16-09-2026 16:12***

Summary of Event (घटना का सारांश)	:	SB LINE TRIPPED ON ZONE-1 B-PH TO GND FAULT WITH FAULT MAGNITUDE 18KA AT THE SAME TIME UNIT6 ALSO TRIPPED ON GENERATOR OVER CURRENT PROTECTION BUT UNIT6 CB FAILED TO OPEN AND HENCE LBB OPERATED DUE TO UNIT6 LBB WEST WING BUS BAR PROTECTION OPERATED
Time and Date of the event (घटना का समय और दिनांक)	:	12-09-2026 01:59
Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) :	:	SHARAVATHY - 220KV
Event Category (श्रेणी के साथ इवेंट प्रकार)	:	GI-1
Location/Control Area (स्थान/नियंत्रण क्षेत्र)	:	KARNATAKA
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

Station Connectivity / SLD during antecedent :

Weather Conditions :

Elements under outage prior to the event :

Other Information (Antecedent Cnditions) : UNIT 1 UNDER SHUTDOWN FOR NEW EXCITATION PANEL ERRECTION AND COMMISSIONING WORKS

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Protection setting

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
487 MW	493 MW

Duration of interruption (रुकावट की अवधि) :

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

Equipment Type	Equipment Make
CB	unit 6 cb LBB operated

List of elements tripped during the event :

1. 220KV-SHIRALKOPPA-SHARAVATHY-1
2. 220KV-SIRSI-SHARAVATHY-1
3. 220KV-SIRSI-SHARAVATHY-2
4. 220KV-SHARAVATHY-TALGUPPA-2
5. 220KV-MRS SHIMOGA-SHARAVATHY-3

		6. 220KV-SHARAVATHY-MRS SHIMOGA-2 7.
Station Connectivity/SLD during the event	:	
Analysis of the event	:	1. SB LINE TRIPPED ON Z1 FAULT WITH FAULT MAGNITUDE 18KA AND ITS BREAKER TRIPPED 2. AT THE SAME TIME UNIT6 GENERATOR PROTECTION RELAY TRIPPED ON OVER CURRENT PROTECTION DUE MAL OPERATION AND UNIT6 CB FAILED TO OPEN, HENCE U#6 CB LBB PROTECTION OPERATED 3. DUE TO WHICH WEST WING BUS BAR PROTECTION OPERATED
Protection / Operational Issues observed	:	
Restoration Details	:	
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	UNIT 6 OVER CURRENT PROTECTION SETTING CHECKED FOUND OK UNIT 6 CB DCRM TEST CARRIED OUT AND RESULTS FOUND OK
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	U#6 CB LBB OPERATED IN GT M1 PROTECTION RELAY
Main I Relay Indications	:	U#6 GEN OVER CURRENT OPERATED IN GENERATOR PROTECTION M1 RELAY
Main II Relay Indications	:	NO INDICATION

Other Relay Indications	:	EXTERNAL LBB OPERATED IN BUS BAR PROTECTION RELAY
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	18.0
LA Counter	:	
Remarks	:	
Attachments	:	1. Others 2. Others 3. Others 4. Others