Detailed Report

Date of Submission : 30-08-2026 11:06

ECHUR - 230KV tripped at ***28-08-2026 13:23*** and restored at ***28-08-2026 14:08***

Summary of Event (घटना का सारांश)	:	Source failure
Time and Date of the event (घटना का समय और दिनांक)	:	28-08-2026 13:23
Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) :	:	ECHUR - 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 : Single Main and Transfer Bus

Bus Coupler Status : NA

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
1. 230KV-ARNI-ECHUR-1 2. 230KV-MAPS-ECHUR-1			

Station Connectivity / SLD during antecedent	:	Main bus with section breaker & Transfer Bus

Weather Conditions : Normal

Elements under outage prior to the event : 1. 230KV-ARNI-ECHUR-1

Other Information (Antecedent Cnditions) :

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : Source failure

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
30.29 MW	23.88 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-MAPS-ECHUR-1

Station Connectivity/SLD during the event :

Analysis of the event : Echur 230kVSS is having 2 sources

One is from Arani 230kVSS and another one is from MAPS.

all 110kV feeders are radialy fed from Echur 230kVSS.

		In antecedent condition, 230kV Echur-Arani line was under planned shut down for maintenance work from 09:10 hrs At 13:23 hrs for a single line to ground fault in Y phase, Echur end only AR successful Due to lockout trip at MAPS end , Source failure at Echur end
Protection / Operational Issues observed	:	NIL
Restoration Details	:	230kV Echur_ arani feeder normalised at 14:08hrs 230kV_Echur_MAPS feeder normalised at 14:49hrs all 110kV feeders normalised at 15:03hrs
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	230kV source restored at 14:08hrs through 230kV Echur_Arani feeder 230kV Echur_MAPS feeder normalised at 14:49hrs
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	
Main I Relay Indications	:	
Main II Relay Indications	:	
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	None
LA Counter	:	

Remarks :

Attachments :