

Detailed Report

Date of Submission : 12-06-2026 15:04

ALAMATHY - 400KV tripped at 03-06-2026 18:03 and restored at 03-06-2026 19:07

Summary of Event (घटना का सारांश) : During the incident heavy rain & Thunder was noticed during that time 400kV Bus B high impedance BBP operated and Main breaker of Bus B got tripped and all elements were in service through Tie breaker.

Time and Date of the event (घटना का समय और दिनांक) : 03-06-2026 18:03

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : ALAMATHY - 400KV

Event Category (श्रेणी के साथ इवेंट प्रकार) : GI-2

Location/Control Area (स्थान/नियंत्रण क्षेत्र) : TAMILNADU

Configuration of Bus (HV/LV) . Along with details of Bus split Operation (if any) :

Bus Configuration Type : One and half breaker

Bus Coupler Status : NA

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
1. 400KV-VALLUR-ALAMATHY-1 2. 400KV-ALAMATHY-SUNGAVARACHATRAM-	1. 400KV-VALLUR-ALAMATHY-2 2. 400KV-ALAMATHY-SUNGAVARACHATRAM-		

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
1 3. 400KV-ALAMATHY-TIRUVALAM_TN-2 4. 400KV/110KV ALAMATHY-ICT-2 5. 400KV/230KV ALAMATHY-ICT-3 6. 400KV/230KV ALAMATHY-ICT-5 7. 400KV-ALAMATHY-NCTPS_STAGE_II-2	2 3. 400KV-ALAMATHY-TIRUVALAM_TN-1 4. 400KV-ALAMATHY-MANALI-1 5. 400KV/110KV ALAMATHY-ICT-1 6. 400KV/230KV ALAMATHY-ICT-4 7. 400KV/110KV ALAMATHY-ICT-6		

Station Connectivity / SLD :

during antecedent

Weather Conditions : Rainy

Elements under outage :

prior to the event

Other Information :

(Antecedent Cnditions)

Renewable Energy Trip : False

Details of SPS Operation : False

(if any):

Reason of tripping : Fault Tripping

Type of Fault : SLG

phases inv : None, None

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
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List of elements tripped during the event :
1. 400KV-ALAMATHY-TIRUVALAM_TN-1
2. 400KV/110KV ALAMATHY-ICT-6
3. 400KV/230KV ALAMATHY-ICT-4
4. 400KV/110KV ALAMATHY-ICT-1
5. 400KV-ALAMATHY-SUNGAVARACHATRAM-2
6. 400KV-VALLUR-ALAMATHY-2
7. 400KV-ALAMATHY-MANALI-1

Station Connectivity/SLD during the event :

Analysis of the event : Bus bar protection operated in Bus B

Protection / Operational Issues observed : NO

Restoration Details :

Element name	Date & time of Normalization
315MVA ,400/230kv ICT-4	03.06.2026 at 20.49 Hrs
400kv Alamathy-Manali	04.06.2026 at 02.41 Hrs
400kv Alamathy-Sunguvarchattiram 2	04.06.2026 at 13.20 hrs

DR Time synchronization issues observed (सुरक्षा/प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	test charged & stood ok
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	
Main I Relay Indications	:	Bus B R phase
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	:	