

Detailed Report

Date of Submission : 21-06-2026 10:04

NCPS - 765KV tripped at **20-06-2026 16:07** and restored at **20-06-2026 18:20**

Summary of Event (घटना का सारांश) : During the incident_ 765kV Breakers at NCPS end found holding

Due to spurious DT signal extended from Main2 DTPC(NSD570) all connected feeders. Hence remote end breakers found tripped

Hence source failure

Time and Date of the event (घटना का समय और दिनांक) : 20-06-2026 16:07

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : NCPS - 765KV

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 : 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. 765KV-ARIYALUR-NCPS-1	1. 765KV-ARIYALUR-NCPS-2	1. 765KV-NCPS-NCTPS STG3-2	1. 765KV-NCPS-NCTPS STG3-1

Station Connectivity / SLD :
during antecedent

Weather Conditions : Normal

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 : Others

Other Reason : SOURCE FAILURE

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 : 1.
during the event

Station Connectivity/SLD during the event

:

Analysis of the event

:

During the incident. All breakers found holding at NCPS end

Spurious DT extended from NCPS end to remote end.

Remote end breakers tripped in all connected feeders

Hence, Source failure

Protection / Operational Issues observed

:

Spurious DT extended from Main.2 DTPC NSD 570

Restoration Details

:

765kV NCPS_Ariyalur_1:20-06-2026 at 18:20hrs

765kV NCPS_Ariyalur_2:20-06-2026 at 18:24hrs

765kV NCPS_NCTPS Stage.3_1:20-06-2026 at 21:15hrs

765kV NCPS_NCTPS Stage.3_2:20-06-2026 at 21:17hrs

DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)

:

True

Remedial Measures Taken (सुधारात्मक सुझाव)

:

Main.2 DTPC kept out of service & referred to OEM(M/s. ABB)

Frequent SNTP failure observed in all DTPCs. This is also referred to OEM for rectification.

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	:	765kV NCPS_Ariyalur_1:59 times 765kV NCPS_Ariyalur_2s23 times 765kV NCPS_NCTPS Stage.3_1:39 times 765kV NCPS_NCTPS Stage.3_2:11times
Fault Current Value (kAmp)	:	None
LA Counter	:	
Remarks	:	
Attachments	:	