

Detailed Report

Date of Submission : 01-05-2026 19:45

Green Infra_GadagPS - 220KV tripped at 29-04-2026 04:40 and restored at 29-04-2026 09:05

Summary of Event (घटना का सारांश) : Sembcorp Green infra 220KV Line Green Infra_GadagPS-1--GADAG_PSS(400KV GTL)- tripped from both end due to R-Ph to Earth fault. ut During Trip event weather condition was Thunders & Rain along with Lightnings at Kushtagi area.

Time and Date of the event (घटना का समय और दिनांक) : 29-04-2026 04:40

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : Green Infra_GadagPS - 220KV

Event Category (श्रेणी के साथ इवेंट प्रकार) : GD - 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 : Thunders

Elements under outage prior to the event :

Other Information (Antecedent Cnditions) : on 29-04-26, at 04:40 Hrs, 220KV line tripped on Distance protection, on Earth Fault, during trip heavy rain, lightnings, Thunders at site

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Fault Tripping

Type of Fault : SLG

phases inv : None, None

Auto Reclosure Operation : No

Fault Clearing Time (ms) : 80.0

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
112 MW	28 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. 220KV-GADAG_PSS-Green Infra_GadagPS-1
2. Green Infra_GadagPS - 220KV

Station Connectivity/SLD during the event :

Analysis of the event	:	220KV Green Infra_GadagPS-1-- GADAG_PSS(400KV GTL)- tripped from both end due to R-Ph to Earth fault. ut During Trip event weather condition was Thunders & Rain along with Lightnings at Kushtagi area.
Protection / Operational Issues observed	:	No
Restoration Details	:	Test charge done stood ok
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	True
Remedial Measures Taken (सुधारात्मक सुझाव)	:	Inspected the Fault Location approximately veried around 20 Towers, but there is no observations found. But During Trip event weather condition was Thunders & Rain along with Lightnings at Kushtagi area.
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	Distance Protection with Earth fault protection
Main I Relay Indications	:	Diff operated, Z com trip, RYB trip, DT/CR received
Main II Relay Indications	:	Gen Trip, R-Ph trip, Zone-1 Trip, Carrier send
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	None
LA Counter	:	
Remarks	:	
Attachments	:	