

## Detailed Report

Date of Submission : 15-05-2026 21:43

**Renew\_Surya\_Ojas\_Koppal\_W - 220KV** tripped at **15-05-2026 05:20**  
and restored at **15-05-2026 06:45**

**Summary of Event (घटना का सारांश)** : 220kV line Bay-201 at Renew Surya Ojas Pvt Ltd PSS end tripped on zone -01 R phase.

Fault details: zone 01

R ph-1169.212 Amps    136941.350 Volt

Y ph-318.139 Amps    46801.336 Volt

B ph-528.253 Amps    71006.102 Volt

N -1637.610 Amps

Distance: 4.24 Km.

M1 operated on R ph

M2 operated on R ph.

**Time and Date of the event (घटना का समय और दिनांक)** : 15-05-2026 05:20

**Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level)** : Renew\_Surya\_Ojas\_Koppal\_W - 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
1. 220KV/33KV Renew_Surya_Ojas_Koppal_W-ICT-1	1. 220KV/33KV Renew_Surya_Ojas_Koppal_W-ICT-2		

**Station Connectivity / SLD during antecedent** :

1)201 Bay 220kV Line CB closed condition.

2)203 Bay 220kV Bus Coupler CB closed condition.

3)204 Bay PTR -2 CB closed condition.

4)202 Bay PTR -1 CB closed condition.

5) 33kV all Wind,Solar,BESS feeders are charged condition.

6) Wind load was 25MW

**Weather Conditions** : Cloudy, Rainy, Thunders

**Elements under outage prior to the event** : 1. 220KV-Renew\_Surya\_Ojas\_Koppal\_W-KOPPAL-1

**Other Information (Antecedent Cnditions)** : Nil

**Renewable Energy Trip** : True

**Details of SPS Operation (if any):** : False

**Reason of tripping** : Fault Tripping

Type of Fault : SLG

phases inv : None, None

Auto Reclosure Operation : Yes

Fault Clearing Time (ms) : 100.0

**Load and Generation Loss (लोड और जेनरेशन हानि)** :

Solar Generation Loss (MW)	Wind Generation Loss (MW)	Other Generation Loss (MW)	Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	25 MW	0 MW	25 MW	25 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.

**Station Connectivity/SLD during the event** : 1) 220kV Line Bay No: 201 CB Trip / Open Condition at RSOPL PSS End and 201 Bay at KNTL end was charged condition.

**Analysis of the event** : 220kV line Bay-201 at Renew Surya Ojas Pvt Ltd PSS end tripped on zone -01 R phase.

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Distance: 4.24 Km.

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M2 operated on R ph.

<b>Protection / Operational Issues observed</b>	:	No
<b>Restoration Details</b>	:	220kV 201 Line Bay charged stood okay at 06:45 hrs
<b>DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)</b>	:	False
<b>Remedial Measures Taken (सुधारात्मक सुझाव)</b>	:	Nil
<b>Relay/PLCC Operation Details</b>	:	
Control Panel Anunciation	:	R phase trip, General trip, Zone-1 trip
Main I Relay Indications	:	R-ph fault, Zone 01 trip, General Trip
Main II Relay Indications	:	R-ph fault, Zone 01 trip, General Trip, SOTF Trip, DT Receive, Carrier Send
Other Relay Indications	:	Nil
PLCC Counter Increment I/T	:	1
PLCC Counter Increment D/T	:	0

Fault Current Value (kAmp) : 1.169

LA Counter : 1

Remarks : nil

**Attachments** :