

# Detailed Report

Date of Submission : 24-03-2026 15:18

**NIMBARGA - 220KV** tripped at **17-03-2026 21:52** and restored at **17-03-2026 22:50**

**Summary of Event (घटना का सारांश)** : In the antecedent condition split bus operation was envisaged at Bijapur SS and hence Nimbarga,Aheri substations were radial on Kalaburgi source At 21.52 Hrs main supply failed to 400kV Kalaburgi SS due to tripping of YTPS-BPS lines one after the other due to line fault.

Load loss of 20MW and Generation loss of 75 MW (Wind 60MW+ Co gen 15 MW) was reported from Nimbarga 220kV SS due to this tripping.

Main supply resumed by closing the Bus coupler at Bijapur substation

**Time and Date of the event (घटना का समय और दिनांक)** : 17-03-2026 21:52

**Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level)** : NIMBARGA - 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- FEROZABAD- NIMBARGA-1 2. NIMBARGA - 220KV - Bus 1	1. 220KV- FEROZABAD- NIMBARGA-2 2. NIMBARGA - 220KV - Bus 2		

**Station Connectivity / SLD during antecedent** : 220kV side bus configuration at 220kV Nimbarga SS in the prefault condition was as follows:

220kV Bus-I : Kalaburgi-1, Aheri-1, 100MVA Trafo-1;

220kV Bus-II : Kalaburgi-2, Aheri-2, 100MVA Trafo-2; Bus Coupler was in closed condition

**Weather Conditions** : Normal

**Elements under outage prior to the event** :

**Other Information (Antecedent Cnditions)** : Line / PTR flows prior to the incident as per 21.00 Hrs readin:

Kalaburgi Line-1 : 58MW(Export)

Kalaburgi: line-2 58MW(Export)

Aheri Line-1: 62MW (import

Aheri Line-2 : 62(import)

100VA Trafo-1: 4 MW (Step down)

100MVA Trafo-2: 4 MW(step down )

110kV Kapanoor line: 44MW (export)

110kV Madiyal line : 46 MW (import)  
(Wind+CO gen)

Kadaganchi line-1 : 5 MW (export)

Kadaganchi line-2 : 5 MW (export)

**Renewable Energy Trip** : True

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

**Reason of tripping** : Others

**Other Reason** : Main supply Failed due to tripping of 400kV YTPS-BPS lines, alternate source was not there due to split bus operation envisaged at Bijapur

**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	60 MW	0 MW	75 MW	20 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. NIMBARGA - 220KV

**Station Connectivity/SLD during the event** :

**Analysis of the event** : Main supply Failed due to tripping of 400kV YTPS-BPS lines, alternate source was not there due to split bus operation envisaged at Bijapur

<b>Protection / Operational Issues observed</b>	:	NIL
<b>Restoration Details</b>	:	Supply resumed at 22.50 Hrs
<b>DR Time synchronization issues observed (सुरक्षा/प्रचालन समस्या)</b>	:	False
<b>Remedial Measures Taken (सुधारात्मक सुझाव)</b>	:	ALTERNATE SUPPLY TAKEN FROM 220KV AHERI STATION(BIJAPUR SOURCE)
<b>Relay/PLCC Operation Details</b>	:	
Control Panel Anunciation	:	NIL
Main I Relay Indications	:	NIL
Main II Relay Indications	:	NIL
Other Relay Indications	:	NIL
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	None
LA Counter	:	
Remarks	:	
<b>Attachments</b>	:	1. <a href="#">SLD/Connectivity Diagram</a>