

Detailed Report

Date of Submission : 11-06-2026 15:46

KORAMANGALA - 220KV tripped at **10-06-2026 10:53** and restored at **10-06-2026 11:20**

Summary of Event (घटना का सारांश) : Prior to the incident Koramangala substation and Nimhans substation was radial on HSR source as 220kV Nimhans-EDC line was kept open at Nimhans substation end as per SLDC instructions. During the incident due to the trippings occurred at Mylasandra 400/220kV SS, main supply failed to Koramangala 220kV Substation. At 11:20 Hrs Koramangala loads shifted to EDC source by closing EDC-NIMHANS line at Nimhans end and charging Nimhans-Koramangala line.

No tripping at Koramangala Substation, only main supply failed.

Time and Date of the event (घटना का समय और दिनांक) : 10-06-2026 10:53

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : KORAMANGALA - 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-NIMHANS-KORAMANGALA-1 2. KORAMANGALA - 220KV - Bus 1 3. KORAMANGALA - 220KV	1. 220KV-HSR-KORAMANGALA-1 2. KORAMANGALA - 220KV - Bus 2 3.		

Station Connectivity / SLD during antecedent : Koramangala 220kV SS was radial on HSR 220kV SS (Mylasandra source) through Mylasandra-HSR- Koramangala 220kV line. 2x150MVA Transformer of Koramangala 220kV SS was in charged codition with total load of 81 MW.

Weather Conditions : Normal

Elements under outage prior to the event :

Other Information (Antecedent Cnditions) : Koramangala 220kV SS was radial on HSR 220kV SS (Mylasandra source) through Mylasandra-HSR- Koramangala 220kV line. 2x150MVA Transformer of Koramangala 220kV SS was in charged codition with total load of 81 MW.

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : Main supply failure to Koramangala 220kV SS

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	81 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 :

Analysis of the event : Due to trippings occurred at Mylasandra 400/220kV SS , main supply failed to Koramangala 220kV substation. At 11:20 hrs, the loads were restored by closing Koramangala-NIMHANS line in consultation with SLDC.

At 11:55 hrs, power supply was restored in 220kV HSR-Koramangala line and the line was kept in tied condition with 220kV Nimhans-Koramangala line till 12:09 hrs as per instruction from LDC. Normalcy was restored. At 12:09 hrs, tie was removed by keeping 220kV Koramangala-Nimhans line breaker in off condition at Koramangala end as per LDC instruction.

At 20:02 hrs, 220kV Koramangala-Nimhans line was again charged and kept in tied condition with 220kV HSR-Koramangala line as per instruction from LDC.

Protection / Operational Issues observed :

Restoration Details : Due to trippings occurred at Mylasandra 400/220kV SS , main supply failed to Koramangala 220kV substation. At 11:20 hrs, the loads were restored by closing Koramangala-NIMHANS line in consultation with SLDC.

At 11:55 hrs, power supply was restored in 220kV HSR-Koramangala line and the line was kept in tied condition with 220kV Nimhans-Koramangala line till 12:09 hrs as per instruction from LDC. Normalcy was restored. At 12:09 hrs, tie was removed by keeping 220kV Koramangala-Nimhans line breaker in off condition at Koramangala end as per LDC instruction.

At 20:02 hrs, 220kV Koramangala-Nimhans line was again charged and kept in tied condition with 220kV HSR-Koramangala line as per instruction from LDC.

DR Time synchronization issues observed (सुरक्षा/प्रचालन समस्या) : False

Remedial Measures Taken (सुधारात्मक सुझाव) : No tripping at Koramangala 220kV SS

Relay/PLCC Operation Details :

Control Panel Anunciation : NIL

Main I Relay Indications : NIL

Main II Relay Indications : NIL

Other Relay Indications : NIL

PLCC Counter Increment I/T : NIL

PLCC Counter Increment D/T : NIL

Fault Current Value (kAmp) : 0.0

LA Counter : NA

Remarks : Prior to the incident Koramangala substation and Nimhans substation was radial on HSR source as 220kV Nimhans-EDC line was kept open at Nimhans substation end as per SLDC instructions,. During the incident due to the trippings occurred at Mylasandra 400/220kV SS, main supply failed to Koramangala 220kV Substation. At 11:20 Hrs Koramangala loads shifted to EDC source by closing EDC-NIMHANS line at Nimhans end and charging Nimhans-Koramangala line.

Attachments :