

Detailed Report

Date of Submission : 06-04-2026 15:39

KALABURAGI - 400KV tripped at **17-03-2026 21:52** and restored at
18-03-2026 01:13

Summary of Event (घटना का सारांश) : At 21:53: Main Supply Failed from YTPS end. Both 400kV Bus voltages were Zero. At the same time both YTPS 1 & 2 lines CBs, ICT-1 & ICT-2 CBs were in closed condition along with this all 220kV lines CBs were in charged condition.

22:22- 400kV YTPS line 1 & 2 CBs tripped at our end on DT received 1 and 2. While YTPS line 1 & 2 lines tripped at YTPS end.

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) : KALABURAGI - 400KV

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 : 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. 400KV-KALABURAGI-YTPS-1 2. 400KV/220KV KALABURAGI-ICT-2	1. 400KV-KALABURAGI-YTPS-2 2. 400KV/220KV KALABURAGI-ICT-1		

Station Connectivity / SLD :

during antecedent

Weather Conditions : Rainy

Elements under outage prior to the event :

Other Information (Antecedent Cnditions) : At 20:27hrs 400kV BPS-YTPS line-1 had tripped

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : YTPS 1&2 Tripped at our end on DT recieved

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 during the event	:	1. 400KV-KALABURAGI-YTPS-1 2. 400KV-KALABURAGI-YTPS-2
Station Connectivity/SLD during the event	:	
Analysis of the event	:	<p>At 21:53: Main Supply Failed from YTPS end. Both 400kV Bus voltages were Zero. At the same time both YTPS 1 & 2 lines CBs, ICT-1 & ICT-2 CBs were in closed condition along with this all 220kV lines CBs were in charged condition.</p> <p>22:22- 400kV YTPS line 1 & 2 CBs tripped at our end on DT received 1 and 2. While YTPS line 1 & 2 lines tripped at YTPS end.</p> <p>22: 05- 220kV Shahapur lines 1 & 2 both H/T at shahapur end</p> <p>22:32- Supply resumed from 220kV Nimbarga Station</p> <p>22:34- 500MVA ICT 1 & 2 both HV and LV side tripped on MTR. LV side both ICT 1 & 2 CBs tripped on over flux stage-1 trip (the voltage was 257kV)</p> <p>23:18- 220kV Sedam line tripped on DPR, MTR, Z-1, R-phase, Dist_3.9km, Ir-1.9kA</p> <p>23:33- 220kV Kapanoor lines 1 & 2 both H/T at Kapanoor r end</p> <p>23:40- 220kV Nimbarga line 1 & 2 were H/T as per SLDC instructions.</p> <p>23:42- 220kV Nimbarga line 1 charged as per SLDC instructions.</p> <p>00:10- SLDC b'lore issued closing code-SR-4412 to close YTPS-1 line</p> <p>00:22- 220kV Nimbarga line 1 H/T as per SLDC instructions</p> <p>00:33- YTPS line -1 charged stood ok</p>

00:55- 500MVA ICT 1 H V side charged stood ok

01:13- 500MVA ICT 1 M V side charged stood ok

01:17- 220kV Nimbarga line 1 charged as per SLDC instructions

Protection / Operational Issues observed :

Restoration Details :

00:33- YTPS line -1 charged stood ok

00:55- 500MVA ICT 1 H V side charged stood ok

01:13- 500MVA ICT 1 M V side charged stood ok

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

False

Remedial Measures Taken (सुधारात्मक सुझाव) :

01:13- 500MVA ICT 1 M V side charged stood ok

01:17- 220kV Nimbarga line 1 charged as per SLDC instructions

Relay/PLCC Operation Details :

Control Panel Anunciation :

Yes

Main I Relay Indications :

YES

Main II Relay Indications :

YES

Other Relay Indications :

NO

PLCC Counter Increment I/T :

NA

PLCC Counter Increment D/T	:	NA
Fault Current Value (kAmp)	:	1.6
LA Counter	:	NIL
Remarks	:	At 21:53: Main Supply Failed from YTPS end. Both 400kV Bus voltages were Zero. At the same time both YTPS 1 & 2 lines CBs, ICT-1 & ICT-2 CBs were in closed condition along with this all 220kV lines CBs were in charged condition.

Attachments	:	
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