

Detailed Report

Date of Submission : 03-04-2026 16:08

TP SAURYA LIMITED - 220KV tripped at 25-03-2026 16:23 and
restored at 25-03-2026 20:32

Summary of Event (घटना का सारांश) :

Time and Date of the event (घटना का समय और दिनांक) : 25-03-2026 16:23

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : TP SAURYA LIMITED - 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-TP SAURYA LIMITED-KOPPAL-1	1. TP SAURYA LIMITED - 220KV - Bus 1	1. TP SAURYA LIMITED - 220KV - Bus 2	

Station Connectivity / SLD during antecedent : On dated 25.03.26, TPSL line bay 204 tripped on differential protection specifically on the B phase, at 16:23, with the fault current

recorded as Ib-322.5A, In-660.0A & Ib remote 19.25kA. During the eperiod of tripping heavy wind, thuder storm and rain occured at this area.

Weather Conditions : Rainy, Thunders, Windy

Elements under outage prior to the event :

Other Information (Antecedent Cnditions) :

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) : 55.0

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
252 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. TP SAURYA LIMITED - 220KV
2. 220KV-TP SAURYA LIMITED-KOPPAL-1

Station Connectivity/SLD during the event	:	KNTL thalakal
Analysis of the event	:	On dated 25.03.26, TPSL line bay 204 tripped on differential protection specifically on the B phase, at 16:23, with the fault current recorded as Ib-322.5A, In-660.0A & Ib remote 19.25kA. During the eperiod of tripping heavy wind, thuder storm and rain occured at this area.
Protection / Operational Issues observed	:	Differential Peotectetion was operated and specifically mentioned as B phase
Restoration Details	:	The transmission line was inspected, and no abnormalities were found. During the tripping period, rain, thunder, and wind were present at the location
DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	During the eperiod of tripping heavy wind, thunder storm and rain occured at this area, Inspected the line for abnormalities and suspecting sag issues. Informed to SRLDC for for test charging and charged the line at 20:32
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	nil
Main I Relay Indications	:	Differential trip and B phase fault alarms triggered
Main II Relay Indications	:	Differential trip
Other Relay Indications	:	EF Start
PLCC Counter Increment I/T	:	1
PLCC Counter Increment D/T	:	3

Fault Current Value (kAmp) : 0.322

LA Counter : 4

Remarks : Nil

Attachments :