

Detailed Report

Date of Submission : 09-06-2026 10:48

VTPS - 220KV tripped at 25-05-2026 17:08 and restored at 08-06-2026 17:08

Summary of Event (घटना का सारांश) : On 25.05.2026 at 17.08hrs Rentachintala-1feeder tripped on Y-B pahse fault. The currentinterruption in the B phase chamber of CB isdelayed. hence LBB acted after 200msec

Time and Date of the event (घटना का समय और दिनांक) : 25-05-2026 17:08

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : VTPS - 220KV

Event Category (श्रेणी के साथ इवेंट प्रकार) : GI-1

Location/Control Area (स्थान/नियंत्रण क्षेत्र) : ANDHRA PRADESH

Configuration of Bus (HV/LV) . Along with details of Bus split Operation (if any) :

Bus Configuration Type : Double main and transfer bus scheme

Bus Coupler Status : NA

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
1. 220KV-VTPS-PIDUGURALLA-1 2. 220KV-VTPS-PODILI-1	1. 220KV-VTPS-PIDUGURALLA-2 2. 220KV-VTPS-NARSARAOPET-1	1. 220KV-TADIKONDA-VTPS-1	

Bus 1 Connected Elements	Bus 2 Connected Elements	Bus 3 Connected Elements	Bus 4 Connected Elements
3. 220KV-VTPS-RENTACHINTHALA-1 4. 220KV-GUNADALA-VTPS-1 5. 220KV-TADIKONDA-VTPS-1 6. 220KV-VTPS-CHILLAKALLU-1 7. 220KV-KONDAPALLI-VTPS-1	3. 220KV-TADIKONDA-VTPS-2 4. 220KV-VTPS-NUZVID-1 5. 220KV-KONDAPALLI-VTPS-2 6. 220KV-VTPS-CHILLAKALLU-2		

Station Connectivity / SLD during antecedent : Connected

Weather Conditions : Normal

Elements under outage prior to the event : 1. 220KV-VTPS-RENTACHINTHALA-2

Other Information (Antecedent Cnditions) : VTPS-RENTACHINTALA-2 Feeder tripped on Y-B phsae fault at 16.47hrs and the feeder was out of service.

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Fault Tripping

Type of Fault : LL

phases inv : None, None

Auto Reclosure Operation : No

Fault Clearing Time (ms) : 380.0

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
457 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. 220KV-VTPS-PIDUGURALLA-1
 2. 220KV-TADIKONDA-VTPS-1
 3. 220KV-VTPS-CHILLAKALLU-1
 4. 220KV-GUNADALA-VTPS-1
 5. 220KV-KONDAPALLI-VTPS-1
 6. 220KV-VTPS-PODILI-1
 7. 220KV-VTPS-RENTACHINTHALA-1

Station Connectivity/SLD during the event :

Analysis of the event :
 On 25.05.2026 at 17.08hrs Rentachintala-1 feeder tripped on Y-B pahse fault. The current interruption in the B phase chamber of CB is delayed. hence LBB acted after 200msec.

Protection / Operational Issues observed :
 nil

Restoration Details :
 The feeder is kept on bypass breaker due to the Main CB faulty. The faulty CB has been replaced with new CB and the feeder is taken in to service on 08.06.2026 at 17.08hrs.

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

Remedial Measures Taken (सुधारात्मक सुझाव) :
 The B phase Chamber of Rentachintala-1 CB has to be inspected.

Relay/PLCC Operation :
Details

Control Panel Anunciation : LBB Operated,Busbar Zone-A operated.

Main I Relay Indications : Y Phase, B phase, Zone-1 trip,

Main II Relay Indications : Phase distance zone1, B phase, C phase

Other Relay Indications : carrier received, carrier send

PLCC Counter Increment I/T :

PLCC Counter Increment D/T :

Fault Current Value (kAmp) : 3.0

LA Counter :

Remarks :

Attachments : 1. [SLD/Connectivity Diagram](#)