

Detailed Report

Date of Submission : 29-05-2026 18:49

BOBBILI - 220KV tripped at **23-05-2026 11:57** and restored at **23-05-2026 12:10**

Summary of Event (घटना का सारांश) : 220KV BOBBILI-MARADAM-1 Feeder got tripped on Distance Protection, B-Ph, Autoreclosure operated and tripped on SOTF during 220KV BOBBILI- MARADAM-2 Feeder was under Breakdown works and 220kV Bobbili GC-Garividi-1 under hand tripped at Garividi SS End to limit Load on 220kV Bobbili- Maradam-1 Line. Hence 220kV Bobbili GC SS Loads feeded from Garividi SS and also 220kV Tekkali SS Loads also feeded from Garividi SS and hence overloaded 220kV Garividi SS and 220kV Garividi-Maradam-1&2 feeders tripped on distance protection one after another and caused outage at 220kV Garividi SS and Hence outage occurs at 220kV Bobbili SS.

Time and Date of the event (घटना का समय और दिनांक) : 23-05-2026 11:57

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

Event Category (श्रेणी के साथ इवेंट प्रकार) : GD - 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 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-BOBBILI-MARADAM-2 2. 220KV-GARIVIDI-BOBBILI-1 3.	1. 220KV-BOBBILI-MARADAM-1 2. 220KV-GARIVIDI-BOBBILI-2		

Station Connectivity / SLD during antecedent : 220KV Bobbili GC-Maradam-2 Line is under breakdown from 22.05.2026 @18:31 Hrs (occurred during Heavy Gale and Thunderstorms weather conditions) and rectification works are going on during the incident.

220kV Bobbili GC-Garividi-1 Line hand tripped at 220kV Garividi End to limit Load on 220kV Bobbili GC-Maradam-1 Line.

Weather Conditions : Thunders

Elements under outage prior to the event : 1. 220KV-BOBBILI-MARADAM-2
2. 220KV-GARIVIDI-BOBBILI-1

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 :

Auto Reclosure Operation : Yes

Fault Clearing Time (ms) : None

Load and Generation Loss :
(लोड और जेनरेशन हानि)

Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	207 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-BOBBILI-MARADAM-1

Station Connectivity/SLD during the event : 220kV Bobbili GC-Maradam-1&2 Connected directly to 400KV SS, MARADAM and also via 220 kV Garividi to 400kV SS, Maradam (220kV Bobbili GC-Garividi-1&2 and 220kV Garividi-Maradam-1&2)

Analysis of the event : 220KV BOBBILI-MARADAM-1 Feeder got tripped on Distance Protection, B-Ph, Autoreclosure operated and tripped on SOTF during 220KV BOBBILI- MARADAM-2 Feeder was under Breakdown works and 220kV Bobbili GC-Garividi-1 under hand tripped at Garividi SS End to limit Load on 220kV Bobbili- Maradam-1 Line. Hence 220kV Bobbili GC SS Loads feeded from Garividi SS and also 220kV Tekkali SS Loads also feeded from Garividi SS and hence overloaded 220kV Garividi SS and 220kV Garividi-Maradam-1&2 feeders tripped on distance protection one after another and caused outage at 220kV Garividi SS and Hence outage occurs at 220kV Bobbili SS.

Protection / Operational Issues observed : NIL

Restoration Details	:	Restored 220kV Supply to Bobbili GC through 220kV Garividi-Bobbili GC-2 feeder at 12:10hrs.
DR Time synchronization issues observed (सुरक्षा/प्रचालन समस्या)	:	False
Remedial Measures Taken (सुधारात्मक सुझाव)	:	Protection operated correctly
Relay/PLCC Operation Details	:	
Control Panel Anunciation	:	SAS SUBSTATION
Main I Relay Indications	:	B-PHASE, ZONE-1, SOTF
Main II Relay Indications	:	B-PHASE, Zone-1
Other Relay Indications	:	
PLCC Counter Increment I/T	:	
PLCC Counter Increment D/T	:	
Fault Current Value (kAmp)	:	2.134
LA Counter	:	
Remarks	:	
Attachments	:	1. SLD/Connectivity Diagram