

Detailed Report

Date of Submission : 23-03-2026 14:19

SEDAM - 220KV tripped at **17-03-2026 21:52** and restored at **23-03-2026 14:15**

Summary of Event (घटना का सारांश) : 220kV Bus coupler is in H/T Charged Condition on 17.03.2026 @ 21:52Hrs to Hrs

BUS-1 Lines Load details:

100MVA Power Transformer No-1 =53MW

220kV Ramasamudra line-1 = -33MW

220kV Ramasamudra line-2 = -33MW

220kV Tandur line= 32MW

220kV Orient cement = 15MW

BUS-2 Lines Load details:

100MVA Power Transformer No-2 =4MW

220kV Humnabad line-1 = 14MW

220kV Humnabad line-2 = 14MW

220kV Ferozabad =-34MW

220kV Shree Cement=2MW

220kV Clean max Solar=0MW

220KV sedam-ferozabad Tripped on Distance protection relay faulty phase-R, Zone-1, distance (d)=21.69km, if=1.009kA.

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) : SEDAM - 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-SEDAM-TANDUR-1 2. 220KV-SEDAM-RAMASAMUDRA-1 3. 220KV-SEDAM-RAMASAMUDRA-2 4. ORIENT_SEDAM - 220KV - Bus 1	1. 220KV-SEDAM-FEROZABAD-1 2. 220KV-SEDAM-HUMNABAD-1 3. 220KV-SEDAM-HUMNABAD-2 4. SHREECEMENT_SEDAM - 220KV 5. CLEANMAX_SEDAM - 220KV		

Station Connectivity / SLD during antecedent :

Weather Conditions : Rainy, Thunders

Elements under outage prior to the event : 1. 220KV-SEDAM-FEROZABAD-1

Other Information :
(Antecedent Cnditions)

Renewable Energy Trip : False

Details of SPS Operation : False
(if any):

Reason of tripping : Fault Tripping

Type of Fault : SLG

phases inv : None

Auto Reclosure Operation : No

Fault Clearing Time (ms) : None

Load and Generation Loss :
(लोड और जेनरेशन हानि)

Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	34 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-SEDAM-FEROZABAD-1
2. ORIENT_SEDAM - 220KV - Bus 1

Station Connectivity/SLD :
during the event

Analysis of the event : 220kV Bus coupler is in H/T Charged
Condition on 17.03.2026 @ 21:52Hrs to Hrs

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Protection / Operational Issues observed :

Restoration Details :

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

Remedial Measures Taken (सुधारात्मक सुझाव) :

Relay/PLCC Operation Details :

Control Panel Anunciation : Trip

Main I Relay Indications :

Main II Relay Indications : Distance prot opearated

Other Relay Indications :

PLCC Counter Increment I/T :

PLCC Counter Increment D/T :

Fault Current Value (kAmp) : 1.009

LA Counter :

Remarks :

Attachments :