

Detailed Report

Date of Submission : 18-08-2026 12:12

BAHOOR - 230KV tripped at **16-08-2026 09:00** and restored at **16-08-2026 10:12**

Summary of Event (घटना का सारांश)

: In the antecedent condition, Bahur Auto SS & Karaikal Auto SS were radially fed from 400KV Pondy SS and TS-II, Neyveli respectively. Further, 230KV Karaikal - Bahour Line was kept idle charged from Bahour Auto SS. In view of emergency proposed LC on 400KV NNTPS - Pondy Line, SRLDC instructed SCC/Pondy for split bus operation at Bahour Auto SS. Accordingly, 230KV Karaikal - Bahour Line was closed at Karaikal at 09:00hrs on 16.08.2026 to synchronize the line with the 230KV Pondy - Bahour Line. Immediately an arc was developed at 230KV Karaikal - Bahour Line's Bus side isolator (B-Phase) facing bus side leading to operation of 230KV Bus bar protection due to severing of the jumper conductor at the aforesaid spot at 09:02hrs. After having isolated the faulty 230KV Bus-II, 230KV supply was resumed at 230KV Bus-I by closing the 230KV Pondy - bahour Line breaker at 10:12 at Bahour and the station was normalized thereafter. After attending the jumper cut, 230KV Bus-II was brought back into service and kept idle charged by closing the 230KV Bus Coupler Breaker at 14:12hrs.

Time and Date of the event : 16-08-2026 09:00
(घटना का समय और दिनांक)

Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) : BAHOOR - 230KV

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

Location/Control Area (स्थान/नियंत्रण क्षेत्र) : PONDICHERRY

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. 230KV-PUDUCHERRY-BAHOOR-1	1. 230KV-BAHOOR-KARAIKAL-1		

Station Connectivity / SLD during antecedent : 230KV Karaikal - Bahour Feeder under idle charged condition from 230KV Bahour Auto SS

Weather Conditions : Normal

Elements under outage prior to the event : 1. 230KV-BAHOOR-KARAIKAL-1

Other Information (Antecedent Cnditions) : 230KV Karaikal - Bahour Feeder under idle charged condition from 230KV Bahour Auto SS

Renewable Energy Trip : False

Details of SPS Operation (if any): : False

Reason of tripping : Others

Other Reason : 230KV Bus Bar protection operated

Load and Generation Loss (लोड और जेनरेशन हानि) :

Total Generation Loss (MW)	Total Load Loss(MW)
0 MW	90 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. 230KV-BAHOOR-KARAIKAL-1
2. 230KV-PUDUCHERRY-BAHOOR-1
3. BAHOOR - 230KV - Bus 1
4. BAHOOR - 230KV - Bus 2

Station Connectivity/SLD during the event : 230KV Bahour Auto SS Radially fed from 230KV Pondy Bahour Feeder and the 230KV Karaikal - Bahour Feeder under idly charged conditon from Bahour Auto SS. 230KV Karaikal - Bahour Feeder breaker at Karaikal Auto SS under hand tripped condition.

Analysis of the event : In the antecendent condition, Bahur Auto SS & Karaikal Auto SS were radially fed from 400KV Pondy SS and TS-II, Neyveli respectively. Further, 230KV Karaikal - Bahour Line was kept idle charged from Bahour Auto SS. In view of emergency proposed LC on 400KV NNTPS - Pondy Line, SRLDC

instructed SCC/Pondy for split bus operation at Bahour Auto SS. Accordingly, 230KV Karaikal - Bahour Line was closed at Karaikal at 09:00hrs on 16.08.2026 to synchronize the line with the 230KV Pondy - Bahour Line. Immediately an arc was developed at 230KV Karaikal - Bahour Line's Bus side isolator (B-Phase) facing bus side leading to operation of 230KV Bus bar protection due to severing of the jumper conductor at the aforesaid spot at 09:02hrs. After having isolated the faulty 230KV Bus-II, 230KV supply was resumed at 230KV Bus-I by closing the 230KV Pondy - bahour Line breaker at 10:12 at Bahour and the station was normalized thereafter. After attending the jumper cut, 230KV Bus-II was brought back into service and kept idle charged by closing the 230KV Bus Coupler Breaker at 14:12hrs.

Protection / Operational Issues observed : Nil

Restoration Details : After completion of Dropper clamp replacement work in 230KV Karaikal Feeder Bus side isolator, the 230kV Bahour Bus-2 was energized by closing the 230KV Bus coupler Breaker at 14.12 Hrs and the 230KV Karaikal Feeder Breaker at Bahour Auto SS in tripped condition and the 230KV Karaikal - Bahour Feeder is in idly charged condition from Karaikal Auto SS.

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

Remedial Measures Taken : 1. B-Phase jumper conductor cut at 230KV
(सुधारात्मक सुझाव) Karaikal - Bahour Line Bus side isolator was attended.

2. Action is being taken to provide attendant CTs to the 230KV Bus Coupler Breaker with the spare CTs available on hands for the implementation of multizone multibus operation at Bahour. Work is expected to be completed by September 2026.

Relay/PLCC Operation Details :

Control Panel Anunciation : 230KV Bus Bar Protection B-Phase operated

Main I Relay Indications : Bus Bar protection B phase relay acted, zone 1 & 2, AT1&2, Pondy feeder, Karaikal Feeder tripped

Main II Relay Indications : Nil

Other Relay Indications : 96 relay acted

PLCC Counter Increment I/T :

PLCC Counter Increment D/T :

Fault Current Value (kAmp) : 6.499

LA Counter :

Remarks :

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