# Detailed Report

**Date of Submission : 30-09-2026 13:40**

**UDANGUDI - 400KV** tripped at ***29-09-2026 21:02*** and restored at ***29-09-2026 21:55***

| | | |
|---|---|---|
| **Summary of Event (घटना का सारांश)** | : | At 12.40 hrs in USTPP-I 400KV GIS end while hand tripping of Bay-414 (Ottapidaram Line 2), In Ottapidaram SS the Ottapidaram Line-1 feeder was tripped. |
| **Time and Date of the event (घटना का समय और दिनांक)** | : | 29-09-2026 21:02 |
| **Name of the Substation/Generating Station/Pooling Station affected (Along with Voltage level) :** | : | UDANGUDI - 400KV |
| **Event Category (श्रेणी के साथ इवेंट प्रकार)** | : | GD - 1 |
| **Location/Control Area (स्थान/नियंत्रण क्षेत्र)** | : | TAMILNADU |
| **Configuration of Bus (HV/LV) . Along with details of Bus split Operation (if any)** | : | |

Bus Configuration Type : One and half breaker

Bus Coupler Status : NA

| Bus 1 Connected Elements | Bus 2 Connected Elements | Bus 3 Connected Elements | Bus 4 Connected Elements |
|---|---|---|---|
| 1. 400KV/11KV UDANGUDI-ST-1 | 1. 400KV/21KV UDANGUDI-GT-1<br>2. 400KV-OTTAPIDARAM-UDANGUDI-1 | | |

**Station Connectivity / SLD during antecedent** :

**Weather Conditions** : Normal

**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** : DC Earth Fault

**Load and Generation Loss (लोड और जेनरेशन हानि)** :

| Total Generation Loss (MW) | Total Load Loss(MW) |
|---|---|
| 0 MW | 4 MW |

**Duration of interruption (रुकावट की अवधि)** :

**Details of Equipment Failure (if any during the event):** :

| Equipment Type | Equipment Make |
|---|---|

| | | |
|---|---|---|
| **List of elements tripped during the event** | : | 1. 400KV-OTTAPIDARAM-UDANGUDI-1<br>2. 400KV/11KV UDANGUDI-ST-1<br>3. 400KV/21KV UDANGUDI-GT-1 |
| **Station Connectivity/SLD during the event** | : | |
| **Analysis of the event** | : | At 12.40 hrs in USTPP-I 400KV GIS end while hand tripping of Bay-414 (Ottapidaram Line 2), In Ottapidaram SS the Ottapidaram Line-1 feeder was tripped. So, No Bus Voltage available. |
| **Protection / Operational Issues observed** | : | |
| **Restoration Details** | : | DC Leakage fault attending and rectification carried out. |
| **DR Time synchronization issues observed (सुरक्षा/ प्रचालन समस्या)** | : | False |
| **Remedial Measures Taken (सुधारात्मक सुझाव)** | : | DC Leakage fault attending and rectification carried out. |
| **Relay/PLCC Operation Details** | : | |
| Control Panel Anunciation | : | Nil |
| Main I Relay Indications | : | Nil |
| Main II Relay Indications | : | Nil |
| Other Relay Indications | : | |
| PLCC Counter Increment I/T | : | |
| PLCC Counter Increment D/T | : | |
| Fault Current Value (kAmp) | : | None |
| LA Counter | : | |
| Remarks | : | |
| **Attachments** | : | |