

No. CESO/EELD1/AE (GS)/SPS//2026-27/ 367

Dated: 18.05.2026

To,

The Member Secretary,  
SRPC, Bengaluru

Sir,

Sub:- Implementation of 220kV rearrangement approved by CEA – Rearrangement of 2TVPC#4 and 2PCNK#2 at 220kV Pothencode Substation to extend 220kV PGCIL supply directly to 220kV Kattakada Substation – Provision of Special Protection Scheme (SPS) for overload protection at 220kV Pothencode SS - Reg

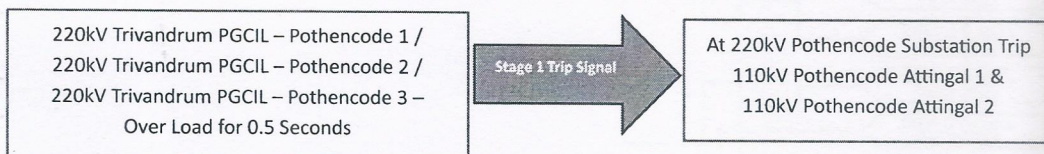
It may kindly be noted that power is presently evacuated from the PGCIL Substation to 220kV Pothencode Substation through feeders 2TVPC#1, 2TVPC#2, 2TVPC#3 and 2TVPC#4. After implementation of the scheme approved by CEA, feeder 2TVPC#4 will no longer be available for power evacuation.

In the absence of feeder 2TVPC#4, the major load of Pothencode Substation will have to be supplied through feeders 2TVPC#1, 2TVPC#2 and 2TVPC#3. These feeders are strung with single moose conductor having a current carrying capacity of 798 A each. In the event of tripping of any one of these feeders due to fault, the remaining two feeders may get overloaded, which may lead to conductor snapping of the live feeders. In order to avoid such a contingency, it is proposed to implement a Special Protection Scheme (SPS).

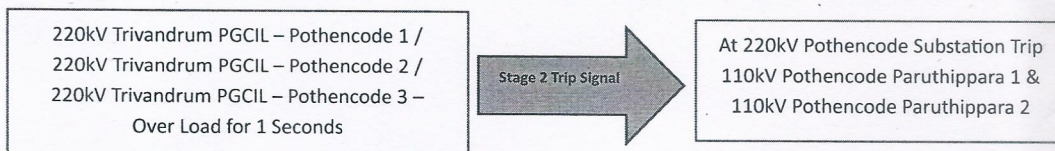
Accordingly, the SPS proposed, to provide overload setting logic for feeders 2TVPC#1, 2TVPC#2 and 2TVPC#3 at 220kV Pothencode Substation and proposed to be wired for load relief through 110kV feeders 1PCAT#1 & 2 and 1PCPP#1 & 2.

The proposed SPS logic for implementation is enclosed herewith for kind approval.

### Stage 1



### Stage 2





The overload logic is attached here for kind approval and implementation.

Yours faithfully,

*[Signature]*  
Chief Engineer (TSO)

Copy to :-

1. ED SRLDC, Bengaluru
2. SRLDC Protection, Bengaluru
3. SRPC Protection, Bengaluru
4. SRPC Operation, Bengaluru

**Overload logic**

