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कैगा विद्युत उत्पादन केंद्र 3&4
Kaiga Generating Station 3&4
डाक: कैगा कारवार, कर्नाटक
PO: Kaiga, Karwar, Karnataka

स. एनपीसीआयएल/केजिएस-३व४/तसेअ/टी-07/2026/एस/129 दिनांकः 14/10/2026
No. NPCIL/KGS-3&4/TSS/T-07/2026/S/129 Date: 14/10/2026

Sub: Multiple tripping of 400kV Kaiga-Guttur lines in recent past

Kaiga-Guttur 400KV transmission lines were restored back on 31/08/2026 after rehabilitation & maintenance work on the multiple failed towers near the Ranebennur area after 107 days of outage.

Subsequent to it, many number of line fault events have occurred on the Kaiga-Guttur Lines for the period from 01/09/2026 to 12/10/2026 and the same are compiled below:

Sl No	Date & Time	Event	Remarks
1	01/09/2026 11:29 Hrs	Kaiga-Guttur Line-1 tripped on Zone-1 distance protection. CB-01B closed back on Auto reclose scheme. Since fault was persists all 3-phase got tripped and CB-01B got open.	Line trip due to persisting Line fault
2	08/09/2026 13:38 Hrs	Kaiga-Guttur Line-1 tripped on Zone-1 distance protection. CB-01B closed back on Auto reclose scheme. Since fault was persists CB-01B got open.	Line trip due to persisting Line fault
3	10/09/2026 21:17 Hrs	Kaiga-Guttur Line-1 tripped on Zone-2 distance protection. CB-01B closed back on Auto reclose scheme, as expected. Since fault was persisting, CB-01B got open as per scheme.	Line trip due to persisting Line fault
4	29/09/2026 08:38 Hrs	Kaiga-Guttur Line-2 tripped on Distance Protection. Kaiga end CB-02B closed back as per Auto reclose scheme. During this event, Guttur end CB remained tripped and Direct Trip (DT) signal from the Guttur end is also not received as expected. Hence the CB-02B was opened manually @ 09:18 hrs as per SRLDC.	Failure of Auto reclose at Guttur end
5	09/10/2026 14:22 Hrs	Kaiga-Guttur Line-1 tripped on Zone-1 distance protection. **First fault event:** At 14:22:56 Hrs and the CB-02B closed back on Auto reclose scheme as expected, and sustained. **Second fault event (within Reclaim time):** After successful reclose of the CB-02B, following the first event, the fault in C-phase (ABC-seq) reoccurred at 14:22:59 Hrs. Since the second fault event occurred after a lapse of about 3 seconds from the first fault instance and after the successful Auto recloses. This recurring fault within the Reclaim time period (25 Seconds) of the CB resulted in the tripping of the CB-01B as per the scheme.	Line trip due to recurring line fault within CB Reclaim time.
6	10/10/2026 14:03 Hrs	Kaiga-Guttur Line-2 tripped on Distance Protection. CB-02B closed back as per Auto reclose scheme. However the Guttur end CB tripped and remained open. Hence the Kaiga end CB-02B was manually opened at 14:26Hrs as per SRLDC-10/2431. Subsequently CB-02B was closed back as per SRLDC instruction after normalization of Guttur end.	Failure of Auto reclose at Guttur end

Sl No	Date & Time	Event	Remarks
7	12/10/2026 09:36 Hrs	Kaiga-Guttur Line-2 tripped on Distance Protection. CB-02B breaker closed back on Auto-reclose operation successfully. Since the fault was persisting, A/R lock out relay operated, followed by 3-phase trip and Line CB-02B got opened.	Line trip due to persisting Line fault

The above events indicate that the reliability of Kaiga Guttur Lines needs further improvement to avoid recurring line outages.

Hence, KPTCL is requested to look into the above issue for resolution of the problem & SRPC is requested to include the above as an agenda item in upcoming OCC meeting.



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