

Effect of 400kV-CUDDAPAH-TUMKUR D/C shutdown

On request of PGCIL SR-1, the shutdown of **400kV-CUDDAPAH-TUMKUR D/C** was facilitated on 27.08.2026 at 07:00 HRS for NHAI Crossing Between Tower No. 397 & 401 for Development of Six-Lane Access Contorted Greenfield Highway from KODUR (Ch.0+000) to VANAVOTU (Ch.24+300) Bengaluru Vijayawada Economic Corridor.

400kV-CUDDAPAH-TUMKUR D/C shutdown comparison of the ICT flows, and Line flows in Real time in comparison to the study report is indicated as follows:

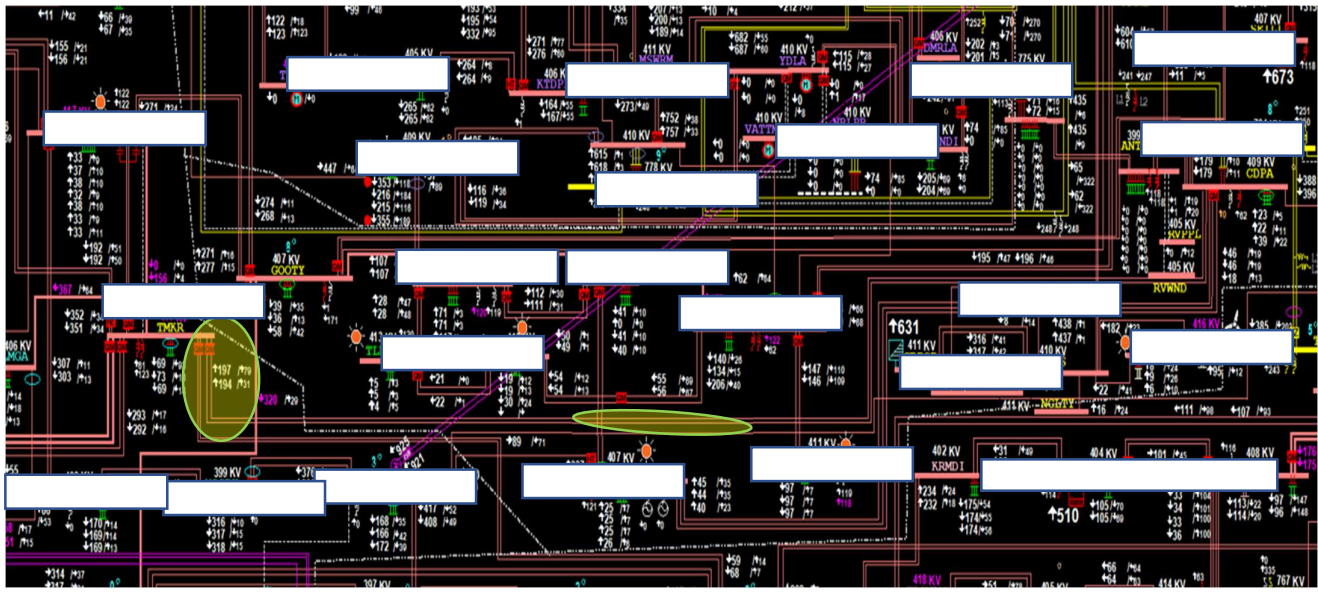
400kV-CUDDAPAH-TUMKUR D/C Sensitivities of Lines and ICTs:

S No.	AC TRANSMISSION ELEMENT	As per SCADA			As per PSS®E		
		P flow before s/d (MW)	P flow after s/d (MW)	sensitivity (%)	P flow before s/d (MW)	P flow after s/d (MW)	sensitivity (%)
1	400kV-NP_KUNTA - KOLAR	327	408	21	162	196	19
2	400kV-GOOTY-PAVAGADA-1	271	297	7	154	175	12
3	400kV-GOOTY-PAVAGADA-2	277	303	7	154	175	12
4	400kV-PAVAGADA-TUMKUR-4	156	199	11	132	152	11
5	400kV-CUDDAPAH-N P KUNTA-1	44	74	8	90	107	10
6	400kV-CUDDAPAH-N P KUNTA-2	40	63	6	83	98	8
7	765kV-CUDDAPAH-THIRUVALLAM-1	388	419	8	304	321	10
8	765kV-CUDDAPAH-THIRUVALLAM-2	391	419	7	304	321	10
9	400kV-GOOTY-SOMANAHALLI	320	327	2	185	191	3
10	765kV/400kV RAICHUR ICT-1	259	276	4	39	51	7
11	765kV/400kV RAICHUR ICT-2	257	274	4	39	51	7

Voltages:

S No.	SUBSTATION	As per SCADA			As per PSS®E		
		V/G before s/d (kV)	V/G after s/d (kV)	V/G difference (kV)	V/G before s/d (kV)	V/G after s/d (kV)	V/G difference (kV)
1	400kV TUMKUR S/S	411.56	409.23	-2.33	411.08	409.54	-1.54
2	400kV HOODY S/S	399.21	397.41	-1.80	407.25	405.78	-1.47

Snapshot before shutdown:



Snapshot after shutdown:

