Grid Occurrences – 143

*For all tripping events, concerned Constituents are requested to furnish to SRPC Secretariat, by **01.06.2026** a WORD format file of the detailed analysis of the events along with SLD or equivalent pictorial representation clearly showing (i) Location of the fault, and (ii) Bus-bar arrangement/ Configuration of feeders and other connected equipment with proper CB positions (OPEN/ CLOSE) at the time of occurrence of the fault along with records of Event loggers, Disturbance recorders. The same shall be presented by the respective Utilities in the meeting.*

*SRLDC is requested to furnish PMU plots of all tripping events to SRPC Secretariat by **01.06.2026** and present the same in the meeting.*

I. Details of Grid Disturbances

S. No.	Event	Event Analysis	Outage Date & time	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Date of receipt of Draft Report/ Updated draft report from SRLDC	Date of receipt of User Detailed report	SRLDC furnished revised Report after considering the User Report
1	Complete Outage of 220kV Lower Sileru of APGENCO	The triggering incident was a flashover between the contacts of the R-phase breaker in the bus coupler at the 220 kV Lower Sileru Powerhouse during the opening of the bus coupler. Due to this, the LBB protection operated and a DT signal was sent to the remote ends, tripping the lines connected to Bus 1 and Bus 2 of the Lower Sileru Powerhouse at remote ends. This incident led to a complete outage of the Lower Sileru Powerhouse.	21-04-2026 22:08	100	0	GD - 1	01-05-2026	24-04-2026	Considered

2	Complete Outage of 220kV Green Infra_GadagPS of GIREL	The 220 kV Green Infra–Gadag PS station is radially connected to the 220 kV Gadag PSS station. The triggering incident was an R–G fault on the line during inclement weather conditions. The line tripped at both ends, resulting in a complete outage of the Green Infra–Gadag PS station.	29-04-2026 04:40	40	0	GD - 1	04-05-2026	01-05-2026	Considered
3	Complete Outage of 220kV Vena_GadagPS of Vena Energy	220 kV Vena_GadagPS station radially connected with 220 kV Gadag_PSS station through Vena_GadagPS-Gadag_PSS-1 line. The triggering incident was Y-G fault during inclement weather conditions; this led to tripping of the 220kV Vena_GadagPS-Gadag_PSS-1 line. The tripping of only connected line to 220kV Vena_GadagPS led to the complete outage of 220kV Vena_GadagPS.	29-04-2026 05:28	130	0	GD - 1	-	-	-
4	Complete outage of 400kV UDANGUDI of TNPGCL	400kV UDANGUDI SS is radially connected to 400kV OTTAPIDARAM through 400kV-OTTAPIDARAM-UDANGUDI-1&2 lines. Both the 400kV-OTTAPIDARAM-UDANGUDI-1&2 lines are in the same dia at 400kV Udangudi SS The triggering incident is the B-G fault in 400kV-OTTAPIDARAM-UDANGUDI-1, where in B pole opened. However, due to logic issue implemented in the Tie Breaker led to Tie LBB operation and tripped the other main and led to the tripping of 400kV-OTTAPIDARAM-UDANGUDI-2 and DT was sent to remote. With the tripping of both the 400kV-OTTAPIDARAM-	29-04-2026 12:57	0	26	GD - 1	12-05-2026	05-05-2026	Considered

		UDANGUDI-1&2 led to the Complete outage of 400kV UDANGUDI of TNPGCL.							
5	Complete outage of 400kV UDANGUDI of TNPGCL	400kV UDANGUDI is radially connected to 400kV OTTAPIDARAM through 400kV-OTTAPIDARAM-UDANGUDI-1&2 lines. Both the 400kV-OTTAPIDARAM-UDANGUDI-1&2 lines are in the same dia at 400kV OTTAPIDARAM. The triggering incident is the B-G fault in 400kV-OTTAPIDARAM-UDANGUDI-1, where in B pole opened. However, due to logic issue implemented in the Tie Breaker led to Tie LBB operation and tripped the other main and led to the tripping of 400kV-OTTAPIDARAM-UDANGUDI-2 and DT was sent to remote. With the tripping of both the 400kV-OTTAPIDARAM-UDANGUDI-1&2 led to the Complete outage of 400kV UDANGUDI of TNPGCL during which led to the tripping of unit of Unit-1 UDANGUDI and led to a generation loss of 156MW.	30-04-2026 14:24	156	63	GD - 1	12-05-2026	05-05-2026	Considered
6	Complete Outage of 230kV JSW_Vilanthikulam of JSW_RE	230 kV JSW_Vilanthikulam generating station(wind) radially connected 230 kV TTGS station through 230KV-TTGS-JSW_Vilathikulam_300MW-1 line. The triggering incident was R-G fault due to inclement weather. Although A/R operated at both ends, but at TTGS end 3 phase tripping	02-05-2026 18:39	143	0	GD - 1	05-05-2026	04-05-2026	Considered

		was observed without any fault, and line is holding from JSW_Vilathikulam end. As the line is a radial feeder, the tripping of the line at TTGS station led to complete outage of 230kV JSW_Vilanthikulam station.							
7	Complete Outage of 220kV SAEL2 of SAEL	220kV SAEL2 is connected radially to Kurnool_III through 220kV SAEL2-Kurnool_III-1. The triggering incident is the 3ph fault in the 220kV SAEL2-Kurnool_III-1 and tripping of the line. Due to the tripping of the only connected line to SAEL2 led to the complete outage of 220kV SAEL2 of SAEL	06-05-2026 19:42	0	0	GD - 1	12-05-2026	07-05-2026	Considered
8	Complete Outage of 230kV NCTPS Generating station, 230kV Kilpauk SS, 230kV Ganesh Nagar SS, 230kV Basin Bridge SS, 230kV Athipatu SS of TANTRANSCO	As per the reports submitted, the triggering incident was Y-G fault in 230kV Basin Bridge Tondiarpet line at 03:29:49hrs. At Tondiarpet end, the fault was sensed in zone-1 and the line tripped as A/R lockout operated. At Basin Bridge end, the fault was sensed in zone-1 and Y-pole opened. A/R operated and YB fault is observed after Auto reclosure. However, the fault was not sensed at Basin Bride end. The fault was being continuously fed by 230kV Basin bridge connected lines and other source feeders on zone-3 protection. Subsequently, at 03:30hrs, Y-G fault was observed in 230kV NCTPS Sriperumbudur line. At both ends, the fault was sensed in zone-1. At NCTPS end, A/R did not operate and the line tripped. At Sriperumbudur end, Y-pole opened. B-G fault	08-05-2026 03:30	505	100	GD - 1	19-05-2026	12-05-2026	Considered

		was sensed in A/R dead time and the line tripped. Tripping of all source feeders led to complete outage of 230kV NCTPS Generating station and all radial connected stations which are 230kV Kilpauk SS, 230kV Ganesh Nagar SS, 230kV Basin Bridge SS, 230kV Athipatu SS.							
9	Complete Outage of 400kV Ennore SEZ of TNPGCL	As per the reports submitted, the triggering incident was R-G fault in 400KV-ENNORE SEZ-SUNGAVARACHATRAM-1 at 09:24hrs, B-G fault in 400KV-ENNORE SEZ-NCTPS_STAGE_II-1 at 12:13hrs and the lines tripped. Tripping of both lines led to complete outage of 400kV Ennore SEZ of TNPGCL	09-05-2026 09:24	0	0	GD - 1	-	-	-
10	Complete Outage of 400kV UPCL Generating station of Adani, Tripping of 220kV Bus-1 of 220kV Kemar SS and Complete Outage of 220kV MSEZ SS, 220kV Kemar SS and 220kV Kavoor SS of KTPCL	During antecedent conditions, 400kV UPCL Hebbanahalli Line-1&2 were under outage. As per the reports submitted, the triggering incident was R-G fault in 220kV UPCL Kemar Line-2 and 220kV UPCL Kemar Line-1 and the lines tripped. Tripping of both lines led to complete outage of UPCL Generating station. Subsequently, 220kV Bus coupler at 220kV Kemar SS tripped on over loading which led to tripping of 220kV Bus-1 of 220kV Kemar SS and complete Outage of 220kV MSEZ SS, 220kV Kemar SS and 220kV Kavoor SS	09-05-2026 17:33	600	200	GD - 1	-	-	-
11	Complete Outage of 230kV JSW_Vilanthikulam of JSW_RE	230 kV JSW_Vilanthikulam generating station(wind) radially connected 230 kV TTGS station through 230KV-TTGS-JSW_Vilathikulam-1 line. Further all elements	11-05-2026 09:00	0	0	GD - 1	19-05-2026	12-05-2026	Considered

		were connected to 230kV Bus-2 at JSW_Vilathikulam. The triggering incident was R-Y-B fault due to failure of 33kV bus supporting insulators in the Y and B phases near LV side of PTR. During which the ICT protection operated but the breaker failed to open leading to LBB operation and tripping all the elements connected to Bus-2 including 230KV-TTGS-JSW_Vilathikulam-1 line and DT was sent to remote end. Due to the tripping of the only connected line to JSW_Vilathikulam led to the complete outage of 230kV JSW_Vilanthikulam							
12	Complete outage of 220kV Vena_GadagPS	As per the reports submitted, the triggering incident was the DC supply failure to the 220kV Vena_GadagPS plant due to human error during maintenance work of auxiliary services. Immediately, 220kV Gadag_PSS Vena_GadaPS-1 line tripped at Vena end and DT was sent to Gadag end. The line tripped at both ends leading to complete outage of 220kV Vena_GadagPS.	12-05-2026 10:32	0	0	GD - 1	-	-	-
13	Complete Outage of 220kV Renew_Surya_Ojas_Koppal _W of Renew	As per the reports submitted, the triggering incident was R-G fault in 220KV-Renew_Surya_Ojas_Koppal_W-KOPPAL-1 line and the line tripped. Tripping of the only connected line led to complete outage of 220kV Renew_Surya_Ojas_Koppal_W of Renew	15-05-2026 05:20	33	0	GD - 1	22-05-2026	15-05-2026	Considered

14	Compete Outage of 220KV-TP SAURYA LIMITED	As per the reports submitted, the triggering incident was R-G fault in 220kV 220KV-TP SAURYA LIMITED-KOPPAL-1 and the line tripped. Tripping of the only connected line led to complete outage of 220KV-TP SAURYA LIMITED	16-05-2026 21:20	0	0	GD - 1	-	-	-
15	Complete Outage of 220kV Vena_GadagPS	The triggering incident was RY-G fault in the 220kV Gadag Vena_GadagPS Line-1 and the line tripped. Tripping of the only connected line led to complete outage of 220kV Vena_GadagPS.	17-05-2026 16:14	82	0	GD - 1	-	-	-
16	Complete Outage of 220kV Green Infra_GadagPS	As per the reports submitted, the triggering incident was Y-G fault in 220KV-GADAG_PSS-Green Infra_GadagPS-1 line and the line tripped. Tripping of the only connected line led to complete outage of 220kV Green Infra_GadagPS.	17-05-2026 16:16	70	0	GD - 1	-	-	-
17	Complete Outage of 220kV Ambalathara SS, 220kV Thalassery SS, 220kV Orkattery SS, 220kV Kanhirode SS, 220kV Mylatty SS of KSEB	As per the reports submitted, the triggering incident was YB fault in 220kV Areakode Kanhirode line and RYB fault in 220kV RY fault in 220kV Areakode Orkattery line and both lines tripped. Tripping of both lines led to complete outage of 220kV Ambalathara SS, 220kV Thalassery SS, 220kV Orkattery SS, 220kV Kanhirode SS, 220kV Mylatty SS	17-05-2026 17:41	0	189	GD - 1	-	-	-
18	Complete Outage of 220kV Hiriyur_Ostro	As per the reports submitted, the triggering incident was R-G fault in 220kV Hiriyur_Ostro Hiriyur line and the line tripped. Tripping of the only connected line led to complete outage of 220kV Hiriyur_Ostro	18-05-2026 21:28	125	0	GD - 1	-	-	-

19	Complete Outage of 765kV NCPS Pooling station of TANTRANSCO and 765kV NCTPS Generating station of TNPGCL	765kV NCPS Pooling station and 765kV NCTPS Generating station are radially connected through 765kV Ariyalur NCPS Line-1&2. During antecedent conditions, 765kV Ariyalur NCPS Line-2 was under outage. As per the reports submitted, the triggering incident was R-Y fault in 765kV Ariyalur NCPS Line-1 and the line tripped. Tripping of the only source led to complete outage of 765kV NCPS Pooling station and 765kV NCTPS Generating station	18-05-2026 23:30	520	0	GD - 1	-	-	-
20	Complete outage of 220kV SAEL2 of SAEL	As per the reports submitted, the triggering incident was YB-G fault in 220KV-KURNOOL_PG_III-SAEL2-1 and the line tripped. Tripping of the only connected line led to complete outage of 220kV SAEL2	20-05-2026 17:26	57	0	GD - 1	-	-	-

II. Details of Grid Incidents

S. No.	Event	Event Analysis	Outage Date & time	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Date of receipt of Draft Report/ Updated draft report from SRLDC	Date of receipt of User Detailed report	SRLDC furnished revised Report after considering the User Report

1	Tripping of 220kV Bus-2 of Chilakallu of APTRANSCO	The triggering incident is the B-G fault in 220KV-CHILLAKALLU-PULICHINTALA-1, during which B-ph breaker failed to open at CHILLAKALLU end and led to the LBB operation in Bus-2 and all elements connected to Bus-2 at CHILLAKALLU tripped and led to the Tripping of 220kV Bus-2 of Chilakallu of APTRANSCO	30-04-2026 13:16	0	0	GI-1	12-05-2026	11-05-2026	Considered
2	Tripping of 220kV Bus-1 of 400kV/220kv Jammalamadugu SS	As per the reports submitted, the triggering incident was B-G fault in 220kV Bus-1. Immediately, 220kV Bus-1 BBP operated and all elements connected to the 220kV Jammalamadugu Bus-1 tripped.	18-05-2026 18:40	0	0	GI-1	-	-	-
3	Tripping of 400kV Bus-1 of 400kV Shankarapally SS of TGTRANSCO	As per the reports submitted, the triggering incident was Y-G fault in 400kV Kethyreddypalli Shankarapalli line-1. At Shankarapalli end, the Y-phase breaker failed to open, LBB operated and all lines connected to the 400kV Bus-1 tripped.	19-05-2026 19:02	0	0	GI-2	-	-	-

III. Single/Multiple Element Tripping with Protection Violation

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	220KV-ASUPAKA-LOWER_SILERU-1	As per reports submitted, the triggering incident was high impedance R-G fault (fault angle of around 40 degrees from Lower Sileru end) in the line. At ASUPAKA end, the fault was sensed in Z1 at a distance 42.2 km and	21-04-2026 13:37	**APGENCO** : 1. Non receipt of carrier and delayed fault clearance needs review 2. Non sensing of fault in Z2 in	**TGTRANSCO** : Fault distance is not in TGTRANSCO jurisdiction

		carrier was sent, A/R operated the line tripped to persistent fault. At LOWER_SILERU end, the fault was sensed in Z2 but carrier was not received and Z2 time tripped after around 350ms.		Main-2 at LOWER SILERU end needs review	
2	400KV-JINDAL-BPS-4	As per the reports submitted, the triggering incident was R-G fault in 400kV Pavagada BPS Line-1. At both ends A/R operated, successful and the line was holding. At the same time, in 400kV Jindal BPS Line-4 , a Z3 start was detected in the M1 relay, but no master trip was initiated. but breaker opened at JSW end due to suspected rise in GPR. The line was holding at BPS end.	21-04-2026 15:14	**JSW THERMAL** : 1. Tripping of the line due to ground potential rise needs review.	
3	400KV-ENNORE SEZ-SUNGAVARACHATRAM-1	As per reports submitted, the triggering incident was B-G fault in the line. At ENNORE end, the fault was sensed in Z2 carrier aided protection at a distance 68km, B pole opened and within dead time DT was received from remote end and 3ph trip. At SUNGAVARACHATRAM end, the fault was sensed in Z1 at a distance 2.9km, AR operated and Tripped due to Persistent Fault and further DT was sent to remote end as per the adaptive logic which was envisaged for 400kV NCTPS-SUNGAVARACHATRAM-1 line and was not disabled after the LILO at ENNORE SEZ	21-04-2026 16:36	**TANTRANSCO** : 1. Sending of DT to remote end from SUNGAVARACHATRAM during ToR needs review	
4	Tripping of 765/400kV Raichur ICT-2 during fault	As per the reports submitted, the triggering incident was R-G fault in 400kV Gooty	21-04-2026 18:32		

	in 400kV Gooty-Raichur-2	Raichur Line-2. At Gooty end, the fault was sensed in zone-1. At Raichur end, the fault was sensed in carrier aided zone-2. At both ends. A/R operated and the line was holding. At the same time, differential protection operated in 765kV/400kv Raichur ICT-2 operated and the ICT tripped.		**PGCIL SR-1** : 1. Tripping of 765KV/400KV RAICHUR_PG-ICT-2 on differential protection for external fault needs review	
5	400KV/33KV GREENKO_PSS1-ICT-1	As per the reports submitted, the triggering incident was R-Y-B-G fault in the 33kV side Bay-310 feeder due to monkey hit at Pole no-P-6. Feeder-310 . At the same time, 400KV/33KV GREENKO_PSS1-ICT-1 got tripped on LV side REF protection.	22-04-2026 07:40	**GREENKO** : Tripping of 400KV/33KV GREENKO_PSS1-ICT-1 for external fault	
6	400KV/220KV TALGUPPA-ICT-2	As per the reports submitted, the triggering incident is Relay Maloperation at 400KV/220KV TALGUPPA-ICT-2 DC source 1&2 mixing in PRV HV and PRV LV side which led to false tripping of 315MVA ICT#2.	23-04-2026 17:37	**KPTCL** : 1. PRV maloperation due to DC source mixing needs review	
7	220KV-CHIKKODI-TALANGADE	As per the reports submitted,220kV Chikkodi Talangade was idle charged from Chikkodi end and the triggering incident was B-G fault in the line . At Chikkodi end the fault was sensed in zone-1 and AR operated. During AR operation, the fault was sensed in Z1 but the breaker did not open and tripped only after 400ms.	23-04-2026 22:10	**KPTCL** : 1. Delayed fault clearance at CHIKKODI end needs review 2. Non operation of LBB at CHIKKODI end needs review 3. Non operation of ToR at CHIKKODI end needs review	
8	420KV/21KV NCTPS_STAGE_II-GT-5	As per the report submitted, the triggering incident is the tripping of 420KV/21KV	26-04-2026 08:11		

		NCTPS_STAGE_II-GT-5 due to maloperation of Pre Sync Earth Fault relay.		**TNPGCL** : 1. Tripping of 420KV/21KV NCTPS_STAGE_II-GT-5 relay maloperation needs review.	
9	Multiple trippings at CHANDALAPUR end during fault in 400KV-GAJWEL-NARSAPUR-2	As per the reports submitted, the triggering incident was B-G fault in the line at 400kV GAJWEL-NARSAPUR 2. At GAJWEL end, the fault was sensed in Z1 at a distance of 12.29km, A/R operated and the line tripped on persistent fault. At NARSAPUR end, the fault was sensed in Z1 at a distance of 35.63km, A/R operated the line trip due to again persistent fault. At GAJWEL-CHANDALAPUR 1 & 2 line, the lines tripped only at Chandlapur end on I>3 Trip operation in main-I MICOMP546 relay and the same needs review.	26-04-2026 13:22	**TGTRANSCO** : 1. Tripping of 400KV-GAJWEL-CHANDALAPUR-1 &2 for on I>3 trip for external fault	
10	220KV-RAICHUR_KA-UPPER_JURALA-2	As per the reports submitted, the triggering incident was B-G fault in the line. At both ends, the B-G fault was sensed in Z1, B pole opened and after around 250ms Y-G fault occurred in the line and Y pole opened and 3ph tripped at both ends. However, at UPPER JURALA end, after 50ms R,Y CB closed and again 3ph tripped due to Z1 operation.	26-04-2026 16:22	**TGGENCO** : 1. Multiple A/R attempts at Upper Jurala Needs review	
11	765KV-KURNOOL_PG-CUDDAPAH-2	As per the reports submitted, the triggering incident is the tripping of the line 765KV-KURNOOL_PG-CUDDAPAH-2 on over voltage at CUDDAPAH end. DT was sent to	26-04-2026 18:00	**PGCIL SR-1** : Y-phase voltage is 5kV higher than other two phases and the same needs review.	

		remote end and line tripped at KURNOOL_PG end on DT receipt.			
12	400KV-KHAMMAM_PG-ASUPAKA-1	During antecedent conditions, A/R was disabled in 400kV Khammam_PG Asupaka Line-1. As per the reports submitted, triggering incident was B-G fault in the line. At KHAMMAM end, the fault was sensed in carrier aided Z2 at a distance of 79.3km and the line tripped . At ASUPAKA end, the fault was sensed in Z1 at a distance of 43.3km, and 3p trip was observed in Main CB. However, Tie CB A/R operated and the line was holding at Asupaka end.	27-04-2026 13:17	**TGTRANSCO** : 1. Operation of Tie CB A/R even after disabling A/R in the line	
13	765KV-KURNOOL_PG-CUDDAPAH-2	As per the reports submitted, the triggering incident was overvoltage at Kurnool end. At Kurnool end after sensing the overvoltage, OV stg-1 protection operated, and DT was send to remote end. At Cuddapah end DT was received and 3 phase tripped. However, it is observed that Y-phase voltage is approximately 5kV higher than that of other phases at Cuddapah end.	28-04-2026 18:02	**PGCIL SR-1** : 1. Y-ph voltage on the higher side compared to other phases needs review	
14	Multiple tripping at 400kV Jindal TPS	As per the reports submitted, the triggering incident was R-G fault in 400KV-BPS-JAGALUR-2. At BPS end, the fault was sensed in zone-1. At both ends, A/R operated and the line was holding. At the same time, 400KV-JINDAL-BPS-3 &4 tripped only at Jindal end on suspected rise in Ground potential rise(GPR).	29-04-2026 00:12	**JSW THERMAL** : Tripping of JSW connected lines for external fault on GPR issue needs review	

15	400KV/110KV VELLALAVIDUTHI-ICT-1	As per the reports submitted, the triggering incident was R-G fault in 110kV Vellalaviduthi Karambakudy line due to jumper cut at 110kV Karambakudy SS. This fault was sensed in zone-3 at Vellalaviduthi end. At the same time, 400kV/110kV Vellalaviduthi ICT-1 tripped on instantaneous earth fault protection.	29-04-2026 00:40	**TANTRANSCO** : Tripping of 400kV/110kV Vellalaviduthi ICT-1 on instantaneous earth fault protection for an external fault	
16	400KV-VTPS_IV-THALLAYAPALEM-2	As per the reports submitted, due to tripping of the 33 kV incoming feeder to 400 kV GIS Thallayapalem, the station LT auxiliary supply failed, resulting in transfer of the DC load onto the battery bank. During this condition, one cell (Cell No. 40) in Battery Set-1 got opened. Subsequently, after restoration of the LT supply, DC disturbance was observed during changeover of the common loads onto DC Source-1. Since gas monitoring tripping was observed, it is suspected that during the changeover process, the DC contactors used for tripping in the LCC panel mal-operated, resulting in tripping of Main (B416) and Tie (B417) bays of 400 kV Thallayapalem–VTPS Ckt-2. During the above incident, the SAS systems and servers were also powered off due to failure of AC and DC supply to Inverter-1, while Inverter-2, which was connected to DC-2, had been sent for repair.	30-04-2026 17:42	**APTRANSCO** : 1. Tripping of the line during DC changeover needs review	**APTRANSCO** : The defective battery cell NO. 40 was bypassed.

17	765KV-KURNOOL_PG-CUDDAPAH-2	As per the reports submitted, the triggering incident was overvoltage at CUDDAPAH end. At CUDDAPAH end after sensing the overvoltage, OV stg-1 protection operated, and DT was send to remote end. At KURNOOL end DT was received and 3 phase tripped. Yph voltage at Cuddapah is observed to be on the higher side compared to other 2 phases.	01-05-2026 01:59	**PGCIL SR-1** : 1. Y-ph voltage at Cuddapah is observed to be on the higher side compared to other 2 phases needs review	
18	400KV-DICHPALLY-RAMAGUNDAM-1	As per the reports submitted, the triggering incident was R-G fault in the line. At DICHPALLY end, the fault was sensed in Z1 at a distance of 14km AR operated and tripped due to persistent fault. At RAMAGUNDAM end, the fault was sensed in Z2 carrier aided trip at a distance of 148km and it is observed that the voltage in R phase increased during the fault, AR operated but the fault in the line was sensed in Z3 and the fault cleared after 1s and again during which the voltage in R-ph increased.	03-05-2026 14:33	**NTPC_RSTPS** : 1. Increase in R ph voltage during the R ph fault needs review 2. Sensing of the fault in the line in Z3 needs review	
19	400KV-KURNOOL_PG-NAGARJUNASAGAR_PG-1	As per the reports submitted, the triggering incident is the tripping of the 18:03:45.160 Hrs at Kurnool end (from PMU and SCADA SOE). Further after the tripping of the line, OV ST-1 operated at 18:03:51.280 (after around 6s from the tripping of the line) and DT was sent to remote end and 3ph tripped at KURNOOL_PG end. Further the voltages at Kurnool was observed to cross OV St-2 levels	03-05-2026 18:03	**PGCIL SR-1** : 1. Tripping of the line at Kurnool end at 18:03:45.160 Hrs needs review (exact reason to be informed by PGCIL) 2. OV St-2 high voltages at Kurnool needs review	

		and OV St-2 also was seen high after the tripping at KURNOOL_PG end.			
20	400KV-KUDGI_PG-KUDGI_NTPC-1	As per the reports submitted, Line got tripped due to manual opening of breaker at KUDGI end during approved SD of 400 kV BUS-1 for Adani Bays Integration works, where in code was issued for BR-2 for HT under Voltage regulation. And since the BR-2 and 400KV-KUDGI_PG-KUDGI_NTPC-1 line are in the same dia at KUDGI_PG end and during the opening of the breaker led to tripping of the line and DT was sent to remote end. At KUDGI NTPC end, DT was received from remote end and the line tripped. Line was taken in service.	04-05-2026 10:47	**PGCIL SR-2** : 1. Manual opening of the breaker needs review during Shut down activities	
21	400KV-KARAIKUDI-MADURAI_PG-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At Karaikudi end, the fault was sensed in Z1 and Madurai end, the fault was sensed in Z2 carrier aided protection and Yph opened. However during the dead time, LC oscillation was observed and OV ST-2 operated at both ends and 3ph tripped.	06-05-2026 00:05	**PGCIL SR-2** : 1. Tripping of the line on OV St-2 during AR dead time needs review	
22	400KV-VALLUR-ALAMATHY-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Vallur end, the fault was sensed Z1 at a distance of 0.2km, R pole opened and the other 2 phases tripped after around 300ms. 3ph AR operated after around 1s and tripped without any fault. At ALAMATHY end, the fault was sensed in	08-05-2026 05:19	**NTECL** : 1. 3ph tripping after 300ms needs review 2. 3ph AR operation needs review	**NTECL** : PGCIL replaced insulators in multi-circuit tower

		Z1 at a distance of 27.5km, R pole opened, A/R operated and was successful and Line was holding.			
23	400KV-GADAG_PSS-KUDGI_PG-1	In the antecedent condition, 400kV Kudgi Bus-1 is under shutdown for bus extension works and 400KV-GADAG_PSS-KUDGI_PG-1 line main breaker was under outage and was in service with tie breaker (426). As per the reports submitted, the triggering incident is the tripping of 426Bay at KUDGI_PG during testing activities. Due to the non-availability of main breaker and tripping of tie breaker led to the tripping of 400KV-GADAG_PSS-KUDGI_PG-1.	08-05-2026 13:45	**PGCIL SR-2** : 1. Human error while testing and tripping of the breaker needs review	
24	220KV-NP_KUNTA-GALIVVEDU-2	As per the reports submitted, the triggering incident is the tripping of 220KV-NP_KUNTA-GALIVVEDU-2 line only at GALIVVEDU end without any relay indications. The line was holding at NP_KUNTA end.	08-05-2026 13:51	**APSPCL** : 1. Tripping of line without any relay indications needs review 2. Non availability of SCADA SOE at GALIVVEDU end needs review	
25	Multiple trippings at 400kV Vallur	As per the reports submitted, the triggering incident was Y-G fault in 400KV-KALVENDAPATTU-VALLUR-2 line. At KALVENDAPATTU end, the fault was sensed in carrier aided Z2 at a distance of 106km, Y pole opened, A/R operated the line tripped on subsequent fault during A/R dead time due to Conductor snapping in Vallur SS Tower Gantry inside switchyard. At VALLUR end, the fault was sensed in Z1 at a	09-05-2026 08:31	**NTECL** : Tripping of 400kV Vallur Alamathy line-1 at Vallur end on DC earth fault for fault in 400KV-KALVENDAPATTU-VALLUR-2	**NTECL** : Clamp replacement done in Y phase

		distance of 59km, Y pole opened, A/R operated the line tripped again Subsequent fault during A/R reclaim time. At the same time, at VALLUR end, Line got tripped on DC Earth fault(As per the FIR) and the line was holding at Alamathy end.			
26	Multiple trippings at 400kV Manali	As per the reports submitted, the triggering incident is the tripping of 400KV/110KV MANALI-ICT-3 and 400KV-MANALI-PULIYANTHOPE-1 elements due to maloperation of Tie CB GD2 stage-3 due to suspected DC side disturbance in Tie bay C&R panel (as per FIR) at PULIYANTHOPE end hence trip signal extended to both main bays and led to the tripping of 400KV/110KV MANALI-ICT-3 and 400KV-MANALI-PULIYANTHOPE-1	09-05-2026 22:05	**TANTRANSCO** : 1. Tripping of 400KV/110KV MANALI-ICT-3 and 400KV-MANALI-PULIYANTHOPE-1 line due maloperation of GD monitor needs review	
27	400KV-NCTPS_STAGE_II-MANALI-1	As per the reports submitted, line got tripped due to human error at MANALI end, DC supply was disturbed hence GD stage-3 trip operated in NCTPS bay & DT extended to remote end. Both M1 and M2 relays of NCTPs-II received Direct Trip (DT) indications from the Manali end through both communication channels, resulting in feeder tripping via operation of 86A and 86B lockout relays.	12-05-2026 01:42	**TANTRANSCO** : 1. SOP to be followed. 2. Operation of GD stage-3 needs review.	
28	Multiple trippings at 400kV JAMMALAMADUGU	As per the reports submitted, the triggering incident is the B-G fault and further developed in 400KV-NARNOOR-	13-05-2026 17:30		

		JAMMALAMADUGU-2, the fault was near JAMMALAMADUGU end at a distance of 9km. At Jammalamadugu end, the fault was sensed in Z1 and B pole tripped, AR operated and tripped due to persistent fault. At NARNOOR end, the fault was sensed in Z2 and due to Z2 carrier aided trip B pole opened, but tie AR operated after around 750ms and closed the B-ph breaker, ToR did not operate and fault was fed from Narnoor end and tripped after carrier receipt from remote end. During this event, after the tie breaker closing at NARNOOR end, the 400KV-NARNOOR-JAMMALAMADUGU-1 at JAMMALAMADUGU sensed the fault in Z4 (forward zone) and during the AR operation of 400KV-NARNOOR-JAMMALAMADUGU-2 at JAMMALAMADUGU end, the fault was sensed in Z5 and 3ph tripped. The line was holding at NARNOOR end.		**APTRANSCO** : 1. Tie breaker AR operation at NARNOOR end after around 750ms needs review 2. Tripping of 400KV-NARNOOR-JAMMALAMADUGU-1 on reverse zone protection at JAMMALAMADUGU end instantaneously needs review	
29	400KV/220KV MADAKKATHARA-ICT-1	As per the reports submitted, the triggering incident was PRD and Buchholz relay operation in 400KV/220KV MADAKKATHARA-ICT-1 for a suspected external fault and the ICT tripped.	14-05-2026 19:00	**KSEB** : Operation of PRD/ BUCHHOLZ relay for external fault.	
30	400KV-NARNOOR-SRISAILAM_LEFT_BANK-1	As per the reports submitted, 400 kV SSLM-KNL feeder tripped without any indications on Main-1,Main-2,busbar protection, and breaker control panels. All relevant events	15-05-2026 16:45	**TGGENCO** : Tripping of the line at Srisailam end needs review	**TGGENCO** : All relevant events were thoroughly checked and no abnormality was recorded.

		were thoroughly checked and no abnormality was recorded.			
31	400KV-NELAMANGALA-TALGUPPA-1	As per the reports submitted, the triggering incident was B-G fault in the line at 13:58:21.616 Hrs. At Talguppa end, the fault was sensed in Z1 at a distance 279km and DT was sent to remote end after around 200ms from the fault, A/R operated and was successful and the line was holding. At Nelamangala end, the fault was sensed in Z1 at a distance of 72km and B pole opened and after around 200ms, DT was received from remote end and 3ph tripped. Consequently the voltage increased at Nelamangala end, and Over voltage ST-1 operated at Nelamangala end and DT was sent to Talaguppa end after around 7s from the fault. At Talaguppa end DT received and 3ph tripped.	18-05-2026 13:58	**KPTCL** : 1. Sending of DT to NELAMANGALA from TALGUPPA end after around 200ms from the fault needs review	
32	765KV-RAICHUR_PG-SHOLAPUR-2	As per the reports submitted, the triggering incident was Y-G fault in the line. At RAICHUR end, the fault was sensed in Z1 at a distance of 156km, Y pole opened, after 100ms Y pole closed only in Main CB and again fault was sensed in Z1 and 3ph tripped. After around 800ms, B-G fault developed in the line and was sensed in Z1 and 3ph tripped at Tie CB led to the tripping of the line.	18-05-2026 15:39	**PGCIL SR-1** : 1. Operation of main breaker AR after around 150ms from the fault needs review 2. Non opening of 3ph tie breaker during the AR operation during Y ph fault (after 150ms) needs review	
33	400KV-ALAMATHY-SUNGAVARACHATRAM-1	As per the reports submitted, line got tripped due to human error at Sungavarachatram end during OVR setting revision in distance relay,	19-05-2026 10:44	**TANTRANSCO** : 1. Tripping of the line due to OV St-1 operation	**TANTRANSCO** : OVR setting modified as recommended by SRPC

		setting inadvertently adopted low value. At Alamathy end DT was received and the line tripped.		during settings modification needs review	
34	400KV-KHAMMAM_PG-ASUPAKA-1	As per the reports submitted, the triggering incident is the B-G fault in the line. The fault was sensed in Z1 at ASUPAKA end. Even though the AR is disabled tie breaker AR operated at ASUPAKA end. The details at KHAMMAM_PG end is still awaited.	20-05-2026 13:45	**TGTRANSCO** : 1. AR operation at ASUPAKA end, even though AR is disabled needs review **PGCIL SR-1** : 1. Non furnishing of information needs review	

IV. Non-operation of Auto recloses during transient fault

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	220KV-RAICHUR_KA-UPPER_JURALA-2	As per the reports submitted, 220kV Upper Jurala Raichur Line-2 was idle charged from Raichur end during antecedent conditions. During the event, the triggering incident was R-G fault in the line. At Raichur end, zone-1 protection operated and the line tripped. A/R did not operate in the line.	21-04-2026 20:52	**KPTCL** : Non operation of A/R at Raichur end	
2	220KV-KOTHAGUDEM_TPS-TIRUVURU-1	As per the reports submitted, the triggering incident was R-G fault in the line at a distance of 60km from Kothagudem end and 24.96km from Tiruvuru end. At KOTHAGUDEM end, the fault was sensed in Z1, R-pole opened and the line tripped on suspected pole discrepancy after 1.5s. At TIRUVURU end, the fault was	24-04-2026 10:49	**TGGENCO** : 1. Non operation of A/R at KTPS end	

		sensed in Z1, R-pole opened, A/R operated and was successful.			
3	220KV-SOMASAMUDRA-REGULAPADU-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At Somasamudra end, the fault was sensed in zone-1 and the line tripped. A/R did not operate. At Regulpadu end, the fault was sensed in zone-1, A/R operated and the line tripped due subsequent fault during A/R reclaim time.	26-04-2026 13:42	**KPTCL** : Non operation of A/R at Somasamudra end needs review **APTRANSCO** : 1. Y-G fault is seen as B-G fault in the DR at Regulpadu end. The same needs to be reviewed.	
4	220KV-ASUPAKA-LOWER_SILERU-1	As per reports submitted, the triggering incident was high impedance R-G fault (fault angle of around 36 degrees from Lower Sileru end) in the line. At ASUPAKA end, the fault was sensed in Z1 at a distance 45.3km and carrier was sent R-pole opened and the line tripped after 1s without A/R operation. At LOWER_SILERU end, the fault was sensed in Z1, R-pole opened. After A/R dead time, A/R operated and the line was holding and the line tripped due to subsequent fault in A/R reclaim time (after around 300ms from the AR close) which was sensed in zone-2 with a delay of 350ms but ToR did not operate.	28-04-2026 11:42	**APGENCO** : 1. Non operation of ToR at LOWER_SILERU end needs review **TGTRANSCO** : 1. Non operation of A/R at Asupaka end.	
5	400KV-TIRUNELVELI-KOTTAYAM-1	As per the reports submitted, the triggering incident was B-G fault in the line. At TIRUNELVELI end, the fault was sensed in Z1 at a distance of 125.8km, B pole opened, A/R operated and was successful and line was holding from this end. At KOTTAYAM end,	28-04-2026 17:15	**KSEB** : Non operation of A/R at Kottayam end	

		the fault was sensed in Z1 at a distance of 49km and the line tripped without A/R operation.			
6	400KV-OTTAPIDARAM-THENNAMPATTY-1	As per the reports submitted, the triggering incident was R-G fault in the line. At OTTAPIDARAM end, the fault was sensed in Z1, R pole opened and then after 30ms 3ph tripped. At THENNAMPATTY end, the fault was sensed in Z1 and AR did not operate	29-04-2026 13:50	**TANTRANSCO** : Non operation of A/R at Ottapidaram end and Thennampatty end	
7	400KV-KOLAR_AC-HOODY-2	As per the reports submitted, triggering incident was B-G fault in the line. At KOLAR_AC end, the fault was sensed in carrier aided Z2 at a distance of 58.8km, A/R operated the line trip due to persistent fault. At HOODY end, the fault was sensed in Z1 at a distance of 12.03km and B-pole opened . However, A/R did not operate after A/R dead time and the other 2 poles tripped after 2.5s on suspected Pole discrepancy operation.	29-04-2026 20:07	**KPTCL** : 1. Non operation of A/R at Hoody end. 2. Pole discrepancy time is suspected to set to 2.5s and the same needs review.	**KPTCL** : Informed RTMC. As per the instruction from RTMC and LDC, test charge taken at 20:52hrs. Stood ok. At the same time, both DTPC channels of Kolar line-2 are found in OFF condition and panel MCB is tripping. Informed PGCIL staff to rectify the same.
8	400KV-KARAIKUDI-KAMUDHI-1	As per the reports submitted, the triggering incident was R-G fault in the line. At KARAIKUDI end, the fault was sensed in carrier aided Z2 at a distance of 118km, R pole opened, A/R operated and was successful and line was holding. At KAMUDHI end, the fault was sensed in Z1 at a distance of 13km, A/R did not operated and the line tripped.	02-05-2026 20:38	**TANTRANSCO** : 1. Non operation of AR at Kamudhi needs review	

9	220KV-KOTHAGUDEM_TPS-TIRUVURU-1	As per the reports submitted, the triggering incident was B-G fault in the line. At KOTHAGUDEM end, the fault was sensed in Z1 protection at a distance of 47.89km and 3ph tripped without AR operation due to heavy wind and rain. At TIRUVURU end, the fault was sensed in Z1 at a distance of 52.41km, A/R operated the line trip due to persistent fault.	03-05-2026 14:08	**TGGENCO** : 1. Non operation of AR at KOTHAGUDEM_TPS end needs review	
10	400KV-ARIYALUR-PUGALUR-1	As per the reports submitted, the triggering incident was R-G fault in the line. At ARIYALUR end, the fault was sensed in Z1, A/R did not operated and 3ph tripped within dead time . At PUGALUR end, the fault was sensed in carrier aided Z2, A/R operated and was successful and line was holding.	04-05-2026 20:34	**TANTRANSCO** : Non operation of A/R at Ariyalur end	
11	400KV-ARIYALUR-PUGALUR-1	As per the reports submitted, the triggering incident was R-G fault in the line. At ARIYALUR end, the fault was sensed in Z1 at a distance of 2.1km,R pole opened, A/R did not operated and other 2 poles tripped during A/R dead time. At PUGALUR end, the fault was sensed in carrier aided Z2 at a distance of 283km, R pole opened, A/R operated and was successful and line was holding. Line belongs to TNEB. Earth wire snapping was reported by TNEB and Line was Hand tripped from Karur for restoration works. Line is taken in service.	05-05-2026 19:02	**TANTRANSCO** : Non operation of A/R at Ariyalur end	

12	400KV-GUDIWADA-VEMAGIRI_AP-1	As per the reports submitted, the triggering incident was R-G fault in the line. At both ends fault was sensed in Zone 1, however only at Vemagiri end A/R operated and 3 phase tripping was observed due to persistent fault. At Gudiwada end A/R did not operate and 3 phase tripped	07-05-2026 14:48	**APTRANSCO** : 1. Non operation of A/R at Gudiwada end needs review.	
13	765KV-ARIYALUR-NCPS-2	As per the reports submitted, the triggering incident was Y-G fault in the line. At ARIYALUR end, the fault was sensed in Z1 at a distance of 213km, Y pole opened. At NCPS end, the fault was sensed in Z1 at a distance of 13.08km, Y pole opened. At both ends, A/R operated the line trip due to subsequent fault during A/R reclaim time. However the Tie Breaker AR did not operate at ARIYALUR end.	08-05-2026 09:28	**TANTRANSCO** : 1. Non operation of tie breaker AR needs review at ARIYALUR end	
14	765KV-THIRUVALAM-ARIYALUR-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At ARIYALUR end, the fault was sensed in Z1, Y pole opened, A/R operated and was successful. At THIRUVALAM end, the fault was sensed in Z1, A/R did not operated due to CB Oil pressure Low Reclosing alarm at THIRUVALAM end and the line tripped. The Line & Bays.	09-05-2026 13:38	**PGCIL SR-2** : 1. Non operation of AR at THIRUVALAM end needs review **TANTRANSCO** : 1. Non availability of SCADA SOE needs review	
15	765KV-CHILAKALURIPETA-VEMAGIRI_PG-2	As per the reports submitted, the triggering incident was B-G fault in the line. At CHILAKALURIPETA end, the fault was	09-05-2026 13:57		

		sensed in Z1 at a distance of 165.5km, B pole opened, A/R operated the line tripped due to persistent fault. At VEMAGIRI end, the fault was sensed in Z1 at a distance of 109.43km, A/R operated only in tie breaker and did not operate in the main breaker and tie breaker AR was successful, the line tripped after due to subsequent fault during A/R reclaim time (after 3 cycles from successful AR operation).		**PGCIL SR-1** : 1. Non operation of AR at VEMAGIRI_PG in the main breaker needs review	
16	400KV-KAIGA-GUTTUR-1	As per reports submitted, the triggering incident was R-G fault in the line. At Kaiga end, the fault was sensed in Z1 at a distance of 101.1km, A/R operated, A/R successful and the line was holding. At Guttur end, the fault was sensed in Z1 at a distance of 90.58km, A/R did not operated and 3ph tripped due to AC source contactor faulty spring charge is in off condition	11-05-2026 16:23	**KPTCL** : Non operation of A/R at Guttur end	**KPTCL** : AC source contactor replaced checked healthy status, found healthy status in M1 & M2 relay AR success operated from Kaiga end hence concurrence taken from tlm & ldc line test charge stood ok
17	Multiple trippings of Kaiga and Guttur	As per the reports submitted, the triggering incident is the tower collapse of 400kV-KAIGA-GUTTUR-1& 2. During which, multiple faults were observed. 400KV-KAIGA-GUTTUR-1 initially sensed the fault in Y-G phase and Ypole opened due to Z1 operation after around 800ms, the fault developed into R-G fault and was sensed in Z1 and 3ph tripped. The DR at Guttur was not available during the event due to multiple DR triggered on PLCC carrier fail. However, from the DR at Kaiga end and PMU, it can be	14-05-2026 17:39	**KPTCL** : Non operation of A/R at Guttur end in 400KV-KAIGA-GUTTUR-2	

		inferred that A/R operated at Guttur end and line tripped due to fault in dead time. Subsequently, at 17:39hrs, R-G fault was observed in 400KV-KAIGA-GUTTUR-2. At Kaiga end, the fault was sensed in zone-1. A/R operated and the line tripped due Y-G fault during A/R dead time. At Guttur end, the fault was sensed in zone-1 and the line tripped without A/R operation.			
18	400KV-GUTTUR-HIRIYUR-1	As per the reports submitted, the triggering incident was R-G fault in the line. At GUTTUR end, the fault was sensed in Z1 at a distance of 44.6km, A/R did not operated and the line tripped suspected due to CB un-healthy input low in relay. At HIRIYUR end, the fault was sensed in Z1 at a distance of 55km, R pole opened, A/R operated and was successful.	15-05-2026 19:49	**KPTCL** : Non operation of A/R at Guttur end	
19	400KV-MALKARAM-RAMAGUNDAM-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At MALKARAM end, the fault was sensed in Z1 at a distance of 96.4km, Y pole opened, A/R did not operated and 3ph tripped. At RAMAGUNDAM end, the fault was sensed in Z1 at a distance of 78km, Y pole opened, A/R operated and was successful and the line was holding.	16-05-2026 16:21	**TGTRANSCO** : 1. Non operation of AR at MALKARAM end needs review	
20	220KV-KUDGI_NTPC-SAVALAGI-1	As per the reports submitted, the triggering incident is the R-G fault in the line. At KUDGI_NTPC end, the fault was sensed in	18-05-2026 15:53	**KPTCL** : 1. Non operation of AR at Savalagi end needs review	

		Z1 and AR operated and was successful and the line was holding. AR did not operate at SAVALAGI as the current goes to zero from DR at Kudgi end.			
21	220KV-ASUPAKA-LOWER_SILERU-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At ASUPAKA end, the fault was sensed in Z1 at a distance of 50km, Y pole opened, A/R did not get operated and 3ph tripped. At LOWER SILERU end, the fault was sensed in carried aided Z2 at a distance of 66km,Y pole opened and AR operated and was successful and the line was holding.	19-05-2026 11:20	**TGTRANSCO** : 1. Non operation of AR at ASUPAKA end needs review	
22	400KV-TALARCHEVU-JAMMALAMADUGU-2	As per the reports submitted, the triggering incident was R-G fault in the line due to heavy thunderstorm, wind and rain. At TALARCHEVU end, the fault was sensed in Z1 at a distance of 30km, R pole opened, A/R operated and was successful. At JAMMALAMADUGU end, the fault was sensed in Z1 at a distance of 9km, A/R did not operated and the line tripped.	20-05-2026 18:05	**APTRANSCO** : 1. Non operation of AR at JAMMALAMADUGU end needs review	

V. PLCC Maloperation-related Events

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	400KV-KAIGA-GUTTUR-1	As per the reports submitted, the triggering incident was receiving DT in channel-2 at	28-04-2026 11:02	**KPTCL** : 1. Tripping of the line needs review	

		Kaiga end and the line tripped only at Kaiga end.			
2	400KV-VTPS_IV-VIJAYAWADA-1	As per the reports submitted, the triggering incident is the PLCC maloperation at VTPS end and DT was received in channel-2 at VTPS end and the line tripped only at VTPS end.	13-05-2026 15:08	**APGENCO** : 1. Tripping of the line needs review	

VI. DR Time Synchronization Issues Related Events

Sl. No	Element	Date & Time	Station at which DR time synchronisation was not observed
1	220KV-SRISAILAM_RIGHT_BANK-NAGARJUNASAGAR_TS-1	21-04-2026 14:19	SRISAILAM_RIGHT_BANK - 220KV
2	400KV-ENNORE SEZ-SUNGAVARACHATRAM-1	21-04-2026 16:36	SUNGAVARACHATRAM - 400KV
3	400KV-BPS-YTPS-1	21-04-2026 19:15	YTPS - 400KV
4	220KV-RAICHUR_KA-UPPER_JURALA-2	21-04-2026 20:52	RAICHUR_KA - 220KV
5	400KV-DONI-MUNIRABAD-1	22-04-2026 08:52	MUNIRABAD - 400KV
6	220KV-SOMASAMUDRA-REGULAPADU-1	26-04-2026 13:42	REGULAPADU - 220KV
7	220KV-RAICHUR_KA-UPPER_JURALA-2	26-04-2026 16:22	RAICHUR_KA - 220KV
8	220KV-RAICHUR_KA-UPPER_JURALA-2	26-04-2026 16:22	UPPER_JURALA - 220KV
9	220KV-THENI-SABARIGIRI-1	27-04-2026 13:44	SABARIGIRI - 220KV
10	220KV-WANAPARTHY-BRAMHANA_KOTKUR-1	27-04-2026 18:18	BRAMHANA_KOTKUR - 220KV

11	400KV-KOLAR_AC-HOODY-2	29-04-2026 20:07	HOODY - 400KV
12	220KV-CHILLAKALLU-PULICHINTALA-1	30-04-2026 13:16	PULICHINTALA - 220KV
13	CHILLAKALLU - 220KV	30-04-2026 13:16	CHILLAKALLU - 220KV
14	400KV-GUDIWADA-SATTENPALLY-2	02-05-2026 12:47	GUDIWADA - 400KV
15	220KV-SRISAILAM_RIGHT_BANK-NAGARJUNASAGAR_TS-1	02-05-2026 13:52	SRISAILAM_RIGHT_BANK - 220KV
16	220KV-KOTHAGUDEM_TPS-TIRUVURU-1	03-05-2026 14:08	KOTHAGUDEM_TPS - 220KV
17	400KV-ALAMATHY-TIRUVALAM_TN-1	03-05-2026 15:56	ALAMATHY - 400KV
18	400KV-NCTPS_STAGE_II-MANALI-1	07-05-2026 06:03	NCTPS_STAGE_II - 400KV
19	400KV-GUDIWADA-VEMAGIRI_AP-1	07-05-2026 14:48	GUDIWADA - 400KV
20	400KV-NCTPS_STAGE_II-MANALI-1	08-05-2026 02:31	NCTPS_STAGE_II - 400KV
21	230KV-BASIN_BRIDGE-TONDIARPET-1	08-05-2026 03:30	TONDIARPET - 230KV
22	400KV-VALLUR-ALAMATHY-1	08-05-2026 05:19	ALAMATHY - 400KV
23	400KV-NCTPS_STAGE_II-SUNGAVARACHATRAM-2	08-05-2026 10:12	SUNGAVARACHATRAM - 400KV
24	400KV-NCTPS_STAGE_II-MANALI-1	09-05-2026 05:13	NCTPS_STAGE_II - 400KV
25	400KV-NCTPS_STAGE_II-VALLUR-2	09-05-2026 06:25	NCTPS_STAGE_II - 400KV
26	220KV-RAICHUR_KA-UPPER_JURALA-1	09-05-2026 17:15	RAICHUR_KA - 220KV
27	400KV-SRISAILAM_LEFT_BANK-SATTENPALLY-1	10-05-2026 01:44	SRISAILAM_LEFT_BANK - 400KV
28	400KV-KAIGA-GUTTUR-1	11-05-2026 16:23	KAIGA - 400KV
29	400KV-GUTTUR-BTPS-1	12-05-2026 16:54	GUTTUR - 400KV
30	400KV-KAIGA-GUTTUR-1	14-05-2026 17:39	KAIGA - 400KV
31	400KV-KAIGA-GUTTUR-2	14-05-2026 17:39	GUTTUR - 400KV
32	400KV-KAIGA-GUTTUR-2	14-05-2026 17:39	KAIGA - 400KV
33	400KV-MALKARAM-RAMAGUNDAM-1	16-05-2026 16:21	RAMAGUNDAM - 400KV

34	220KV-AMBEWADI-PONDA-2	17-05-2026 20:09	AMBEWADI - 220KV
35	400KV-GUTTUR-BTPS-1	18-05-2026 18:05	GUTTUR - 400KV
36	400KV-ALAMATHY-SUNGAVARACHATRAM-1	19-05-2026 10:44	SUNGAVARACHATRAM - 400KV
37	400KV-TALARCHEVU-JAMMALAMADUGU-2	20-05-2026 18:05	JAMMALAMADUGU - 400KV