

Grid Occurrences – 145

For all tripping events, concerned Constituents are requested to furnish to SRPC Secretariat, by **02.08.2026** 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 **02.08.2026** 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 400kV SEPC Generating station of SEPC	During antecedent conditions, the 400kV Ottapidaram–SEPC-1 line was under outage and 400kV SEPC is radially connected through 400kV Ottapidaram–SEPC-2. As per the reports submitted, the triggering incident was the maloperation of SF6 gas low-pressure trip indication in the Bus-2 G2 compartment at the SEPC end and 400kV Ottapidaram–SEPC-2 line tripped. Tripping of the only line connected to 400kV SEPC led to the Complete Outage of 400kV SEPC. There was no generation during	08-06-2026 11:42	0	0	GD - 1	25-06-2026	13-07-2026	Not Considered

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		the event.							
2	Complete outage of 220kV RSRPL_Gadag PS of Renew and Tripping of 220kV Bus-2 of 400kV Gadag PSS of Indigrid	During antecedent conditions, 220kV Gadag_PS Bus-1 was under shutdown. As per the reports submitted, the triggering incident was R-G fault in 220kV Gadag_PS Bus-2 and all elements connected to 220kV Bus-2 tripped. Since 220kV RSRPL_Gadag PS was radially connected to 220kV Bus-2 Gadag_PSS, tripping of 220kV Bus-2 of 220kV Gadag_PS led to complete outage of 220kV RSRPL_Gadag PS.	23-06-2026 14:17	263	0	GD - 1	22-07-2026	15-07-2026 & 04-07-2026	Considered
3	Tripping of 230kV Bus-1 Sriperambadur of TANTRANSCO and Complete Outage of 230kV Hyundai SS	230kV Hyundai station was radially fed from 230kV Bus-1 Sriperambadur SS. 230 kV Bus-1 and Bus-2 at Sriperambadur were in service and operating in split bus condition, with the bus coupler in the open condition. The triggering incident is the Y-G fault on the Hyundai feeder and led to the tripping of the line. Further jumper conductor failed between the CT and the circuit breaker snapped towards the CT side and Local Breaker Backup (LBB) operated in Bus-1 and all elements connected to Tripping of 230kV Bus-1 Sriperambadur of TANTRANSCO and with the tripping of 230kV Sriperambadur-Hyundai led to the complete outage of 230kV Hyundai station	05-07-2026 10:34	0	18	GD - 1	15-07-2026	15-07-2026 & 06-07-2026	Considered
4	Complete Outage of 400kV Thappukundu SS of TANTRANSCO	400kV Thappukundu SS is connected through 400KV-ANAIKADAVU-THAPPUKUNDU-1&2. The triggering incident is the Y-G fault in of 400 kV Thappukundu-Anaikadavu Line-2	06-07-2026 14:12	111	0	GD - 1	14-07-2026	07-07-2026	Considered

		and 400 kV Thappukundu–Anaikadavu Line-1. The tripping of both the lines led to the Complete Outage of 400kV Thappukundu SS of TANTRANSCO							
5	Complete Outage 230kV Kilpauk and Athipathu of TANTRANSCO and 230kV NCTPS of TNPGL	230kV NCTPS is evacuating generation through Gummadipoondi and Sriperumbudur lines and other lines were in Radial condition (Kilpauk, NCTPS stage-3, Athipatu -1&2) and 230kV NCTPS-Tondiarpet 1 &2 feeder are under LC. As per the reports submitted, the triggering incident was R-G fault in 230kV NCTPS-Gummidipoondi line and line tripped after which 230kV NCTPS-Sriperumbudur line also tripped on R-G fault. Tripping of both the lines led to the Complete Outage 230kV Kilpauk and Athipathu of TANTRANSCO and 230kV NCTPS of TNPGL	08-07-2026 07:20	395	175	GD - 1	-	-	-
6	Complete Outage of 220kV Hiriya Ostro of RENEW	As per the reports submitted, the triggering incident was Y-G fault in the 220KV-HIRIYUR_OSTRO-HIRIYUR-1 and the line tripped. Tripping of the only connected line led to complete outage of 220KV-HIRIYUR_OSTRO.	08-07-2026 17:00	277	0	GD - 1	16-07-2026	09-07-2026	Considered
7	Complete Outage of 400kV ATP_RenewVyoman_PSS2 of RENEW	ATP_RenewVyoman_PSS2 is radially connected through 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1. As per the reports submitted, the triggering incident is the over voltage protection operation in 400KV-ATP_RenewVyoman-	17-07-2026 17:46	0	0	GD - 1	-	-	-

		ATP_RenewVyoman_PSS2-1 at ATP_RenewVyoman_PSS2 end and DT was sent to remote end. Tripping of the only line led to the Complete Outage of 400kV ATP_RenewVyoman_PSS2 of RENEW							
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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 220kV Gooty SWS of APTRANSCO	220kV Gooty SWS is operating with double bus with bus coupler configuration. As per the reports submitted, the triggering incident was R-G fault in 220kV Gooty Bus-2. Immediately, 220kV Bus-2 BBP operated and all elements connected to the bus tripped leading to loss of power supply to 220kV Bus-2 of 220kV Gooty SWS	22-05-2026 07:38	0	0	GI-1	05-06-2026	29-05-2026	Considered
2	Tripping of 220kV Bus-2 at Lower Sileru PH of APGENCO	As per the reports submitted, the triggering incident was a circuit breaker closing back after hand tripping of the of Unit-4 at the LOWER SILERU end and leading to the LBB operation and tripping of all the elements connected to Bus-2 at Lower Sileru. This led to the Tripping	21-06-2026 01:33	0	0	GI-1	21-07-2026	18-07-2026	Considered

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		of 220kV Bus-2 at Lower Sileru PH of APGENCO.							
3	Tripping of 220kV Bus-2 of VTPS Generating station of APGENCO	As per the reports submitted, the triggering incident was R-G fault in 220kV VTPS Chillakallu Line-1. At VTPS end, R-phase breaker was conducting current even after trip and 220kV LBB to operate. Immediately all elements connected to 220kV Bus-2 tripped at 220kV-VTPS except 220KV-VTPS-NUZVID-1 line which was feeding the fault. The fault was finally cleared when the line was tripped at NUZVID end. This led to the tripping of 220kV Bus-2 of VTPS Generating station of APGENCO	21-06-2026 05:05	620	0	GI-1	07-07-2026	30-06-2026	Considered
4	Tripping of 400kV Bus-2 of 400kV Alamathy SS of TANTRANSCO	The triggering incident is a tripping of 400 kV Bus-2 at 400 kV Alamathy Substation due to the mal operation of 400kV Bus-2 Busbar Protection (BBP) with no fault during the event. This led to Tripping of 400kV Bus-2 of 400kV Alamathy SS of TANTRANSCO	26-06-2026 19:22	0	0	GI-2	08-07-2026	01-07-2026	Considered
5	Tripping of 220kV Bus of 220kV KV Kota SS of APTRANSCO	220kV KV Kota is operating with single bus configuration. As per the reports submitted, the triggering incident is the failure of the CT cable connected to the 220kV BBP circuit in the 220kV KV Kota Nidadavolu feeder bay at KV Kota end. The CT cable failure resulted in the operation of the 220kV BBP operation which led to the tripping of 220kV Bus of 220 kV Kota	27-06-2026 22:04	0	0	GI-1	10-07-2026	03-07-2026	Considered

		Substation. 132kV side was intact during the event.							
6	Tripping of 400kV Bus-2 at Devanahalli of KPTCL	As per the reports submitted, 400/220kV ICT-2 was under maintenance for relay calibration. During calibration and current injection differential relay protection operated and since the current was persisting, LBB operated and tripped all the main breakers connected to Bus-2 and tie breaker of ICT-3 leading to the Tripping of 400kV Bus-2 at Devanahalli of KPTCL and 400/220kV ICT-3 at Devanahalli.	05-07-2026 12:03	0	0	GI-2	24-07-2026	-	Not Considered
7	Tripping of 220kV Bus-1 & Bus-3 of 220kV Pothencode SS of KSEB	As per the reports submitted, the triggering incident is Y-G fault caused by flashover of Y-phase tension insulator of 220kV Bus-1 (near 220KV-TRIVANDRUM-POTHENCODE-1 feeder). This resulted in the operation of busbar differential protection and tripped all elements connected to 220kV Bus-1 (including Bus-3 which is permanently coupled to Bus-1) of POTHENCODE SS of KSEB. 110kV was in service during the event. Therefore, no load loss is observed.	05-07-2026 17:00	0	0	GI-1	-	-	-
8	Tripping of 400kV Bus-2 at NNTTP of NLC	As per the reports submitted, SF6 interlock testing on the 400 kV GT-2 bay at NNTTP a false busbar trip was triggered due to a relay mapping error, which cause opening of 400 kV Bus-2 and all connected elements (400KV/230KV NNTTP-ICT-2, Bus Coupler, 400KV-NNTTP-PUDUCHERRY-1, and 400KV-ARIYALUR-NNTTP-2 lines). After	10-07-2026 13:02	0	0	GI-2	23-07-2026	16-07-2026	Considered

		which the loading in ICT-1 increased and tripped due to overcurrent protection. This led to the Tripping of 400kV Bus-2 at NNTTP of NLC.							
9	Tripping of 220kV Bus-1 and 2 at Vemagiri(AP) of APTRANSCO	As per the submitted reports, an R-G fault on the Bommuru-GVK feeder resulted in an unsuccessful AR at the Bommuru end. Heavy fault current contributed by the Vemagiri 220kV bus caused a quad moose jumper in the Bus Coupler Bay to disconnect from its CT stud and fall onto a post-insulator structure. This created an R-phase bus fault, triggering 220kV busbar protection that tripped both Bus-1 and Bus-2 along with all connected elements, due to this power diverted through Guddigudem SS and overloaded ICT-1 and ICT-2, causing both transformers to trip on 3-phase overcurrent protection.	16-07-2026 11:52	0	1150	GI-1	-	-	-

III. Single/Multiple Element Tripping with Protection Violation

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	400KV- GREENKO_CPSS- GREENKO_PSP-1	As per the reports submitted, B-G fault was sensed in Z3 at GREENKO_CPSS end in the line. As the voltage dipped to 36% and SOTF threshold was set to 40%, SOTF got triggered and the line was 3-ph tripped.	05-06-2026 20:59	<u>GREENKO</u> : SOTF trip for an external fault needs review.	

2	400KV-LKPPL_STG2-VIJAYAWADA-2	As per the reports submitted, the triggering incident was R-G fault in the line. At Vijayawada end, the fault was sensed in Z1 at a distance of 1km, carrier was sent to remote end, A/R operated and the line was holding. At Lanco end, the fault was sensed in Z3, carrier received and the line tripped without any A/R operation.	11-06-2026 05:02	<u>LKPPL</u> : 1. Tripping of the line instantaneously after sensing the fault in zone-3 and receiving carrier signal needs review. 2.Non operation of A/R at LKPPL end needs review.	<u>LKPPL</u> : Line patrolling carried out and found no abnormalities
3	400KV-VALLUR-ALAMATHY-1	As per the reports submitted, the line tripped on suspected PD relay mal operation at Vallur end and the line was holding at Alamathy end.	18-06-2026 16:27	<u>NTECL</u> : 1. Maloperation of PD relay at Vallur end needs review	
4	400KV-VALLUR-ALAMATHY-1	As per the reports submitted, 400KV VALLUR-ALAMATHY line got tripped due to PD relay maloperation caused by DC Earth fault at Vallur end. During the event, no fault can be observed and line was holding at Alamathy end.	19-06-2026 11:10	<u>NTECL</u> : 1. Maloperation of PD relay at Vallur end needs review	<u>NTECL</u> : PD relay replaced
5	400KV/220KV NIRMAL-ICT-1	As per the reports submitted, the triggering incident was the Relay Maloperation at Nirmal end. ICT-1 got tripped due to B phase REF protection operated with no fault observed in the PMU.	24-06-2026 20:35	<u>TGTRANSCO</u> : Tripping of the ICT on REF protection without any fault	<u>TGTRANSCO</u> : Transformer, relay testing is under progress
6	Multiple Trippings at 400kV Alamathy	As per the reports submitted, the triggering incident is a Y-G fault on 110kV HVF feeder. The feeder breaker failed to isolate the fault and fault current persisted for more than 200ms, hence LBB operated and tripped 400KV/110KV ALAMATHY-ICT-1 and 400KV/110KV ALAMATHY-ICT-2.	26-06-2026 18:38	<u>TANTRANSCO</u> : Reason for non-isolation of the fault at 110kV side	<u>TANTRANSCO</u> : Faulty 110kV bay was isolated & ICT normalized.

7	400KV/230KV KORATTUR-ICT-3	As per the reports submitted, the Korattur ICT tripped due to the operation of the Main 1 relay caused by unintended contact intended for the Main 2 PRV. The PRV operated for 10 seconds and then reset automatically. After obtaining line clearance, the PRV cover was opened, and dust accumulation along with traces of moisture ingress were observed on the contact of the Main 1 relay.	28-06-2026 05:09	<u>TANTRANSCO</u> : PRV maloperation needs review	<u>TANTRANSCO</u> : After availing Line clear, The PRV cover opened and observed that dust formation and traces of moisture entry in contact for main.1 relay
8	400KV/11.5KV YADADRI TPP-ST-2	As per the reports submitted, 400KV/11.5KV YADADRI TPP-ST-2 tripped on LV1 REF for an external fault	29-06-2026 21:05	<u>TGGENCO</u> : Tripping of ICT ST-2 for an external fault	<u>TGGENCO</u> : Matter referred to OEM , modifications shall be made as early as possible
9	400KV- MAMIDAPALLI- CHOUTUPPAL-1	As per the reports submitted, the triggering incident is the PRV Relay maloperation in the 63MVAR line reactor which is kept in OFF condition at MAMIDAPALLI end in 400KV-MAMIDAPALLI-CHOUTUPPAL-1 and the line got tripped suspectedly due to the climbing of peacocks (as per FIR) and DT was sent to remote end. At Choutuppall end, DT was received and the line 3ph tripped.	01-07-2026 08:20	<u>TGTRANSCO</u> : 1. Tripping of the line due to PRV maloperation in the line reactor needs review 2. Non availability of SCADA SOE at CHOUTUPPAL end needs review	
10	220KV- PAVAGADA_PG- IRCON_PVG_S-1	As per the reports submitted, the triggering incident is the broken conductor in the line from 30-06-2026 19:30 Hrs due to Isolator misalignment in Y-phase. During the event, tripping of 220 kV PVG-IRCON CKT-1 was observed at both ends where in at IRCON_PVG_S tripped on earth fault protection operation and DT was sent to remote ends. The line at 220 kV Pavagada end tripped on receipt of Direct Trip (DT) signal from the IRCON end.	03-07-2026 10:36	<u>PVG_IRCON_S</u> : 1. Tripping of the line due to Broken Conductor needs review 2. Sending of DT to remote end needs review	<u>PGCIL SR-2</u> : Line tripped on receipt of DT from IRCON end

11	400KV-GUDDIGUEDEM-HINDUJA-2	As per the reports submitted, the triggering incident is R-G fault on 400KV-GUDDIGUEDEM-HINDUJA-2 line. At GUDDIGUEDEM end, the fault was detected in Z2 and carrier aided tripped A/R operated and after which the persistent fault was sensed in Z2 and tripped due to Z2 time trip after around 350ms without SOTF operation. At HINDUJA end, the fault was sensed in Z1, AR did not get operated due to the adaptive AR voltage logic as the grid end failed to auto reclose successfully and 3ph tripped.	04-07-2026 00:47	<u>APTRANSCO</u> : 1. Non operation of SOTF/ToR during AR operation leading to delayed fault clearance needs review	<u>APTRANSCO</u> : Earth wire snapped between the loc.no 18 & 19. Attended the rectification work by lines wing.
12	Multiple trippings at 400kV Nellore_AP SS	As per the reports submitted, a 400 kV Bus-2 shutdown was availed against OCC-296, and all breakers connected to Bus-2 were opened. When the last breaker, i.e., 1252 (ICT-3 HV CB), was manually tripped, the VTPS (401) Reactor Busbar Protection relay operated due to loss of voltage to the relay and issued trip signals to the Main and Tie breakers of the 400 kV Nellore AP-VTPS IV-1 line. Consequently, DTT signal was sent to the VTPS end. The 400 kV/220 kV Nellore AP ICT-1 was in the same dia as the 400 kV Nellore AP-VTPS IV-1 line, and its Main CB was already under manual trip condition due to the 400 kV Bus-2 shutdown, while the supply was being fed through 400 kV Bus-1 via the 400 kV VTPS feeder and Tie-1. Therefore, tripping of the line led to tripping of the 400/220kV ICT-1.	09-07-2026 10:14	<u>APTRANSCO</u> : Operation of Line reactor relay impedance protection during loss of voltage at Nellore_AP SS needs review	
13	400KV/230KV SALEM_TN-ICT-2	As per the reports submitted, 400KV/230KV SALEM_TN-ICT-2 got tripped on Moisture ingress in R phase PRV switch. It is reported that on verification inconsistent performance of contact was observed.	12-07-2026 06:56	<u>TANTRANSCO</u> : PRV maloperation needs review	<u>TANTRANSCO</u> : 1 Defective contacts of R phase PRV switch was

		Hence the same was replaced with spare one			replaced. 2 Sealant applied to arrest moisture ingress. 3 IR value checked & found Normal.
14	400KV/220KV TALGUPPA-ICT-3	As per the reports submitted, the triggering incident was operation of low set backup overcurrent protection due to momentary rise in CT R-phase current due to suspected CT cable failure.	14-07-2026 08:40	<u>KPTCL</u> : Tripping of the ICT on backup overcurrent protection due to CT cable failure	
15	400KV/220KV TALGUPPA-ICT-3	As per the reports submitted, the triggering incident was operation of low set backup overcurrent protection due to momentary rise in CT R-phase current due to suspected CT cable failure.	14-07-2026 13:12	<u>KPTCL</u> : Tripping of the ICT on backup overcurrent protection due to CT cable failure	
16	400KV/230KV VELLALAVIDUTHI- ICT-3	As per the reports submitted, at 400kV Vellalaviduthi-Karaikudi line, the triggering incident B-G fault was sensed in Z1 and AR operated and was successful at Vellalaviduthi end (as per FIR and PMU). During that time, Vellalaviduthi ICT-3 tripped with HV instantaneous earth fault protection.	14-07-2026 14:31	<u>TANTRANSCO</u> : Tripping of 400KV/230KV VELLALAVIDUTHI-ICT-3 for fault in 400KV-VELLALAVIDUTHI-KARAIKUDI-1	<u>TANTRANSCO</u> : Setting revised as per TANTRANSCO protection setting Policy
17	220KV-UDUMALPET- Pallivasal-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Pallivasal end, the fault was sensed in Z2 and carrier was received at a distance of 56km and the line tripped with a delay of around 550ms. At Udumalpet end, the fault was sensed in Z1 at a distance of 20km and A/R operated and was successful	15-07-2026 11:06	<u>KSEB</u> : Delayed tripping of the line at Pallivasal even after sensing in zone-2 and receiving carrier signal	

18	400KV/110KV MANALI-ICT-1	As per the reports submitted, 400KV/110KV MANALI-ICT-1 got tripped on REF protection for a through fault in the 110kV Manali-Mathur feeder (RYB fault during test charging of the line).	15-07-2026 22:45	<u>TANTRANSCO</u> : 1. REF operation for 400KV/110KV MANALI-ICT-1 during a through fault needs review	<u>TANTRANSCO</u> : REF operating time is revised from 0 msec to 30msec
19	220KV- SRISAILAM_RIGHT_B ANK-DINDI-1	As per the reports submitted, 220KV-SRISAILAM_RIGHT_BANK-DINDI-1 line got tripped on pole discrepancy indications at Dindi end only due to suspected DC earth leakage (as per FIR). Line was holding at Srisailam end.	19-07-2026 11:45	<u>TGTRANSCO</u> : 1. Tripping of the CB on PD due to DC earth leakage needs review	
20	400KV- NELAMANGALA- TALGUPPA-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Nelamangala end, the fault was sensed in Z1 at a distance of 396km and A/R operated and was successful. At Talguppa end, the fault was sensed in Z1 at a distance of 39km and R-pole opened. After around 120ms, Y and B poles opened upon receiving DT. Line is under charged condition from Nelamangala end.	19-07-2026 12:48	<u>KPTCL</u> : Tripping of the line only at Talaguppa end on receiving DT	<u>KPTCL</u> : Line synchronized at Talaguppa end at 13:18 Hrs
21	400KV-MEPL-SEPL-1	As per the reports submitted, the triggering incident was Y-G fault Insulator failure in GT-4 at SEPL (as per SCADA SOE). At SEPL end, the Y-G fault was sensed in Instantaneous over current protection (Non-Directional) and the line tripped. Line was holding at MEPL end.	19-07-2026 14:36	<u>SEPL</u> : 1. Enabling of Over Current Protection in 400kV lines needs review	<u>SEPL</u> : Faulty Insulator replaced

IV. Non-operation of Auto recloses during transient fault

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S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	400KV-GUDIWADA-VEMAGIRI_AP-1	As per the reports submitted, the triggering incident was Y-G fault in the line. At Gudiwada end, the fault was sensed in Z1 at a distance of 50km, A/R did not operate and the line tripped. At Vemagiri end, the fault was sensed in Z1 at a distance of 66km, A/R operated with successful and feeder continued to be in service without interruption and line was holding	28-06-2026 14:22	<u>APTRANSCO</u> : Non operation of A/R at Gudiwada end	<u>APTRANSCO</u> : Line is holding from Vemagiri end and breaker closed at Gudiwada end and stood ok.
2	400KV-KAMUDHI-OTTAPIDARAM-1	As per the reports submitted, the triggering incident is B-G fault on 400KV-KAMUDHI-OTTAPIDARAM-1 line. At both ends, the fault was detected in Z1 and B-phase was tripped. At OTTAPIDARAM end, within dead time, rebooting of FOTE led to failure carrier Ch.1 & 2. Due to carrier fail, reclose in progress terminated & lockout trip initiated at both ends.	02-07-2026 11:15	<u>TANTRANSCO</u> : 1. Non operation of AR at both ends needs review	<u>TANTRANSCO</u> : Communication DC voltage healthiness has to be checked. FOTE placed at Kiosk, reason of disturbance of 48V DC has to be checked.
3	220KV-SRISAILAM_RIGHT_BANK-DINDI-1	As per the reports submitted, the triggering incident was B-G fault in the line. At Srisailam Right Bank end, the fault was sensed in Z1 at a distance of 2km and the line 3ph tripped without AR operation. At Dindi end, the fault was sensed in Z1 at a distance of 62km, A/R operated and was successful and the line was holding.	05-07-2026 19:43	<u>APGENCO</u> : 1. Non operation of AR at SRISAILAM_RIGHT_BANK needs review	<u>APGENCO</u> : Feeder test charged and stood ok
4	220KV-ASUPAKA-LOWER_SILERU-1	As per the reports submitted, the triggering incident was high impedance B-G fault (fault angle of around 55 degrees from Lower Sileru end) in the line. At Asupaka end, the fault was sensed in Z1 at a distance of 45km, B pole opened, A/R did not operate and the	07-07-2026 20:22	<u>TGTRANSCO</u> : 1. Non operation of AR at Asupaka needs review	

		line tripped after A/R dead time. At Lower Sileru end, the fault was sensed in Z1 at a distance of 80km, B pole opened and A/R operated the line tripped due to persistent fault			
5	220KV-ASUPAKA-LOWER_SILERU-1	As per the reports submitted, the triggering incident was high impedance B-G fault (fault angle of around 50 degrees from Lower Sileru end) in the line. At Asupaka end, the fault was sensed in Z1 at a distance of 41km, B pole opened, A/R did not operate and line tripped after around 1s. At Lower Sileru end, the fault was sensed in Z1 at a distance of 80km, B pole opened and A/R operated the line tripped due to persistent fault	07-07-2026 21:32	<u>TGTRANSCO</u> : Non operation of A/R at Asupaka end	
6	400KV-SEIL_P2-NPS-1	As per the reports submitted, the triggering incident was R-G fault in the line due to damaged OPGW cable between tower no. 11 and 13. During the removal of the old damaged OPGW cable on the 400KV NPS Line-1 between tower no. 11 and 13, During the activity, the cable came with in the minimum safe electrical clearance then resulting in the tripping of the line. At SEIL end, the fault was sensed in Z1 at a distance of 2km and the line tripped without A/R operation. At NPS end, the fault was sensed in Z1 at a distance of 29km and the line tripped without A/R operation. During the removal of the old damaged OPGW cable on the 400KV NPS Line-1 between tower no. 11 and 13. During the activity, the cable came with in the minimum safe electrical clearance then resulting in the tripping of the line	13-07-2026 13:15	<u>SEIL</u> : Non operation of A/R needs review <u>PGCIL SR-1</u> : Non operation of A/R needs review	<u>SEIL</u> : At 14:12 hrs NBFC issued on 400KV NPS Line-1 for OPGW cable removal work, after completion of work 400 NPS Line-1 charged at 18:10 hrs

7	400KV-VELLALAVIDUTHI-KARAIKUDI-1	As per the reports submitted, the triggering incident was B-G fault in the 400KV-VELLALAVIDUTHI-KARAIKUDI-1 line. At Vellalaviduthi end, at 14:31hrs the fault was sensed in Z1 at a distance of 38km and Main CB A/R operated but Tie CB A/R did not operate PD operated after around 4s and Tie CB tripped and during the incident main CB only in service. At 14:53hrs, the B-G fault was sensed in zone-1, Main CB A/R operated and the line tripped on persistent fault. At Karaikudi end, the fault was sensed in carrier aided Z2 at a distance of 121km, B pole opened and A/R operated the line tripped on persistent fault after a dead time of 2s.	14-07-2026 14:54	<u>TANTRANSCO</u> : Non operation of Tie CB A/R at Vellalaviduthi end <u>PGCIL SR-2</u> : A/R dead time is set to 2s at Karaikudi end and the same needs review.	<u>TANTRANSCO</u> : Line patrol conducted & no visible fault
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V. PLCC Maloperation-related Events

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	400KV-KALPAKKA- VEMAGIRI_AP-1	As per the reports submitted, the triggering incident was a DC earth fault at the Vemagiri end. Earth leakage was observed in the GVK-1 Tie Breaker (426-52) interpolate cable between the CBMB and the B-pole mechanism box. The feeder was in service from the Vemagiri end, and the DT send count was incremented at the Vemagiri Telecom panel of 400kV Vemagiri Kalpakka Line-1. Subsequently, the line tripped at the Kalpakka end.	28-06-2026 08:38	<u>APTRANSCO</u> : Sending DT to Kalpakka end from Vemagiri end	<u>APTRANSCO</u> : Damaged cable is replaced with the spare cable.

Grid Occurrences to be discussed during 145th PCSC meeting to be held on 07.08.2026

2	400KV-PALAVADI-MTPS_ST_III-2	As per the reports submitted, while attending the Carrier fail fault, inadvertent trip occurred at MTPS end and DT Trip can be observed from the DR. During the event, no fault is observed. Line was holding at Palavadi end.	08-07-2026 11:11	<u>TANTRANSCO</u> : 1. Inadvertent tripping of the line at MTPS end needs review	
3	400KV-CUDDAPAH-CHITTOOR-1	As per the reports submitted, the triggering incident is the PLCC maloperation leading to DT-1 Receive command at Kadapa end and 3ph tripped whereas there is no Counter increment of DT-1 command at 400KV Chittoor SS end. Line was holding at Chittoor end.	20-07-2026 13:16	<u>APTRANSCO</u> : 1. PLCC Maloperation needs review	<u>APTRANSCO</u> : Feeder Charged at 13.47Hr on 20-07-2026.

VI. DR Time Synchronization Issues Related Events

Sl. No	Element	Date & Time	Station at which DR time synchronisation was not observed
1	220KV-VTPS-CHILLAKALLU-2	21-06-2026 05:05	CHILLAKALLU - 220KV
2	220KV-AMBEWADI-PONDA-2	21-06-2026 10:37	AMBEWADI - 220KV
3	765KV-WARANGAL(NEW)-CHILAKALURIPETA-2	22-06-2026 13:06	WARANGAL(NEW) - 765KV
4	400KV-DICHPALLY-RAMAGUNDAM-1	22-06-2026 13:28	DICHPALLY - 400KV
5	400KV-PAVAGADA_PG-TUMKUR-1	25-06-2026 14:32	PAVAGADA_PG - 400KV
6	765KV-WARANGAL(NEW)-WARORA-1	25-06-2026 20:29	WARANGAL(NEW) - 765KV
7	400KV/110KV ALAMATHY-ICT-2	26-06-2026 18:38	ALAMATHY - 400KV
8	400KV/110KV ALAMATHY-ICT-2	26-06-2026 18:38	ALAMATHY - 400KV
9	400KV-GUDIWADA-VEMAGIRI_AP-1	28-06-2026 14:22	GUDIWADA - 400KV

Grid Occurrences to be discussed during 145th PCSC meeting to be held on 07.08.2026

10	400KV-PAVAGADA_PG-HIRIYUR-1	28-06-2026 14:51	PAVAGADA_PG - 400KV
11	400KV-KAIGA-NARENDRA-2	30-06-2026 21:25	KAIGA - 400KV
12	230KV-HYUNDAI-SRIPERUMBADUR_TN-1	05-07-2026 10:34	SRIPERUMBADUR_TN - 230KV
13	230KV-HYUNDAI-SRIPERUMBADUR_TN-1	05-07-2026 10:34	HYUNDAI - 230KV
14	SRIPERUMBADUR_TN - 230KV	05-07-2026 10:34	SRIPERUMBADUR_TN - 230KV
15	400KV/220KV DEVANAHALLI-ICT-3	05-07-2026 12:03	DEVANAHALLI - 400KV
16	POTHENCODE - 220KV	05-07-2026 17:00	POTHENCODE - 220KV
17	220KV-SRISAILAM_RIGHT_BANK-DINDI-1	05-07-2026 19:43	SRISAILAM_RIGHT_BANK - 220KV
18	400KV-KALABURAGI-YTPS-1	06-07-2026 06:52	YTPS - 400KV
19	220KV-AMBEWADI-XELDEM-1	07-07-2026 09:50	AMBEWADI - 220KV
20	400KV-KALABURAGI-YTPS-1	07-07-2026 17:37	YTPS - 400KV
21	KILPAUK - 230KV	08-07-2026 07:20	KILPAUK - 230KV
22	400KV-KALABURAGI-YTPS-1	08-07-2026 17:24	YTPS - 400KV
23	400KV-NNTTP-PUDUCHERRY-1	10-07-2026 13:02	PUDUCHERRY - 400KV
24	400KV-SEIL_P2-NPS-1	13-07-2026 13:15	SEIL_P2 - 400KV
25	220KV-AMBEWADI-PONDA-2	14-07-2026 12:15	AMBEWADI - 220KV
26	400KV-LKPPL_STG2-VIJAYAWADA-1	15-07-2026 23:11	LKPPL_STG2 - 400KV
27	400KV/220KV VEMAGIRI_AP-ICT-3	16-07-2026 11:55	VEMAGIRI_AP - 400KV
28	400KV-RTPS-BTPS-1	18-07-2026 20:00	BTPS - 400KV
29	220KV-KADAKOLA-KANIYAMPETTA	18-07-2026 23:04	KADAKOLA - 220KV
30	220KV-SRISAILAM_RIGHT_BANK-DINDI-1	19-07-2026 10:50	SRISAILAM_RIGHT_BANK - 220KV