

Grid Occurrences – 146

*For all tripping events, concerned Constituents are requested to furnish to SRPC Secretariat, by **02.09.2026** 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 **02.09.2026** 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	Tripping of 220kV Bus-2 400kV Mysore SS of PGCIL SR_2 and Complete Outage of 220kV Hootagally SS, 220kV Vajamangala SS, 220kV Kadakola SS, 220kV Adakanahalli SS, 220kV Begur SS, 220kV Chamrajnagar SS, 220kV	As per the reports submitted, the triggering incident was suspected 220kV Bus-2 BBP maloperation without any fault at 400kV Mysore SS. Immediately, all elements connected to 220kV Mysore Bus-2 tripped. Subsequently 220kV Mysore Hootagalli Line-1, 220kV Mysore Kadakola Line-1 got over loaded and tripped. Tripping of all these lines led to complete outage of 220kV Hootagally SS, 220kV Vajamangala SS, 220kV Kadakola	22-07-2026 16:19	87	842	GD - 1	26-08-2026	23-07-2026 28-07-2026	Considered

*Grid Occurrences to be discussed during 146th PCSC meeting to be held on **07.09.2026***

	Madhuvanahali, 220kV Hebbani SS and 220kv Bus-2 of 220kV TK Halli SS of KPTCL	SS, 220kV Adakanahalli SS, 220kV Begur SS, 220kV Chamrajnagar SS, 220kV Madhuvanahali, 220kV Hebbani SS and 220kv Bus-2 of 220kV TK Halli SS							
2	Complete Outage of 230kV SPRING_PUGALUR of SPRING	As per the reports submitted, the triggering incident was a B-G fault that evolved into YB-G fault in the 230kV Spring Pugalur line 1 and the line tripped. Tripping of the only connected led to complete outage of 230kV SPRING_PUGALUR of SPRING	25-07-2026 14:27	295	0	GD - 1	03-08-2026	27-07-2026	Considered
3	Complete Outage of 400kV Greenko PSP of Greenko	400kV GREENKO PSP is connected to CPSS through 400kV GREENKO PSP-CPSS-1&2. During antecedent conditions, 400kV Greenko Unit-6 was connected Bus-2. As per the reports submitted, the triggering incident was while charging Unit-6, B-G fault was observed in the breaker (when the field was in charged) and both the 400kV GREENKO PSP-CPSS-1&2 tripped at GREENKO PSP due to over current protection operation and led to complete outage of 400kV Greenko PSP	26-07-2026 19:13	834	0	GD - 1	07-08-2026	01-08-2026	Considered
4	Complete Outage of 400kV ATP_RenewVyoman_PSS2 of Renew	400kV ATP_RenewVyoman_PSS2 is equipped with one and half breaker scheme with 400KV/33KV ATP_RenewVyoman_PSS2-ICT-1 main breaker is connected to Bus-2 and 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1 is connected as	28-07-2026 22:23	90	0	GD - 1	25-08-2026	-	Not Considered

		main breaker to Bus-1 and tie breaker connecting the line and ICT. As per the reports submitted, the triggering incident was the earth fault due to cable termination failure in the 33 kV feeder of the RenewVyoman_PSS2 substation during which 400/33 kV ICT-1 tripped on REF protection. This led to the Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS2. During the same time Bus 1 of the RenewVyoman_PSS2 substation tripped. As there are only two buses in substation, these trippings led to complete outage of RenewVyoman_PSS2 substation.							
5	Complete Outage of 400kV ATP_RenewVyoman and 400kV ATP_RenewVyoman_PSS2 of Renew 31-07-2026	400kV ATP_RenewVyoman_PSS2 is radially connected to 400kV ATP_RenewVyoman which is being radially connected through 400KV-ANANTHPURAM-ATP_RenewVyoman Line-1 & 2. As per the reports submitted, the triggering incident was R-G fault in 400KV-ANANTHPURAM-ATP_RenewVyoman Line- 1 and the line tripped. At the same time, 400KV-ANANTHPURAM-ATP_RenewVyoman Line-2 & 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1 tripped on over voltage protection. Tripping of these lines led to complete outage of 400kV ATP_RenewVyoman and 400kV ATP_RenewVyoman_PSS2.	31-07-2026 23:31	60	0	GD - 1	20-08-2026	06-08-2026 13-08-2026	Considered

6	Complete outage of 220kV Dhone SS of APTRANSCO	As per reports submitted, the triggering incident was the B phase CT failure of Bus Coupler which was connected to Bus 2 at 220 kV DHONE substation with comes in the overlap zone of BBP. Upon sensing the fault busbar protection of the buses got triggered and it tripped the two buses of the substation which led to tripping of all elements in the substation leading to the Complete outage of 220kV Dhone SS of APTRANSCO	01-08-2026 13:54	0	0	GD - 1	11-08-2026	04-08-2026	Considered
7	Complete outage of 230kV Bahoor of PED	230kV Bahoor Auto SS & Karaikal Auto SS were radially fed from 400KV Pondy SS and Neyveli TS-II respectively. Before these event 230KV Karaikal - Bahoor Line was kept idle charged from Bahoor Auto SS. As per the reports submitted, during closing of 230 kV Karaikal - Bahoor Line in order to synchronize line with 230 kV Pondy - Bahoor line an arc developed at Bahoor side isolator which triggered the Busbar protection at Bahoor substation. This busbar protection tripped all the 230 kV Buses in that station led to complete outage of 230 kV Bahoor substation.	16-08-2026 09:00	0	76	GD - 1	24-08-2026	18-08-2026	Considered
8	Complete outage of 220kV Garvidi and Tekkali of APTRANSCO	As per the reports submitted, the triggering incident is the B-G fault in 220KV-GARIVIDI-MARADAM-2, during which 220KV-GARIVIDI-BOBBILI-1&2 tripped only at BOBBILI end. With the tripping of these lines 220kV Garvidi and Tekkali were radially fed through 220KV-GARIVIDI-MARADAM-1.	20-08-2026 11:41	0	350	GD - 1	-	-	-

		Subsequently at 11:51 Hrs, 220KV-GARIVIDI-MARADAM-1 also tripped due to B-G fault leading to the Complete outage of 220kV Garvidi and Tekkali of APTRANSCO							
9	Complete Outage of 220kV NRS, Peenya and Brindavan and Tripping of 220kV Bus-2 at A Station of KPTCL	The triggering incident is the fault in 220kV-Nelamangala-Peenya-1 and 220kV-Nelamangala-Sahakaranagar leading to the tripping of the lines. Further which 220kV-Nelamangala-Peenya-2 and 220kV-Nelamangala-Brindavan also tripped on over current protection leading to the Complete Outage of 220kV NRS, Peenya and Brindavan and Tripping of 220kV Bus-1 at A Station of KPTCL	20-08-2026 12:44	0	600	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 400kV Bus-2 of 400kV ATP_RenewVyoman_PSS 2 of RENEW	400kV ATP_RenewVyoman_PSS2 is equipped with one and half breaker scheme with 400KV/33KV ATP_RenewVyoman_PSS2-ICT-1 main breaker is connected to Bus-2 and 400KV-ATP_RenewVyoman-	24-07-2026 21:55	33	0	GI-2	16-08-2026	13-08-2026	Considered

Grid Occurrences to be discussed during 146th PCSC meeting to be held on 07.09.2026

		ATP_RenewVyoman_PSS2-1 is connected as main breaker to Bus-1 and tie breaker connecting the line and ICT. As per the reports submitted, the triggering incident was the earth fault due to cable termination failure in the 33 kV feeder of the RenewVyoman_PSS2 substation during which 400/33 kV ICT-1 tripped on REF protection. This led to the Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS2							
2	Tripping of 400kV Bus-2 of 400kV Greenko PSP of Greenko	During antecedent conditions, Greenko Unit-1,3,4,5& 6 were in Generation mode. As per the reports submitted, When the system frequency reached 49.5 Hz, all five units, generating approximately 1200 MW, tripped on under-frequency protection as Under frequency for the generator enabled at 49.5 Hz, 5 seconds even for generation mode which led to tripping of all the 5 no. of units running in generation mode during which B-G fault was observed in 400kV Greenko PSP Bus-2 due to breaker flashover in Unit-6 after opening of the breaker. Immediately, 400kV Bus-2 LBB operated tripping all elements connected to 400kV Bus-2.	25-07-2026 19:20	1200	0	GI-2	06-08-2026	30-07-2026	Considered

3	Tripping of 400kV Bus-1 of 400kV Greenko_PSP of GREENKO	As per the reports submitted, the triggering incident was B-phase breaker flashover in Greenko Unit-6 while de paralleling the Unit and 400kV Greenko Bus-1 LBB operated and all elements connected to the bus tripped.	26-07-2026 01:46	220	0	GI-2	07-08-2026	01-08-2026	Considered
4	Tripping of 765kV Bus-1 of 765kV Maheswaram SS of PGCIL SR-1	As per the reports submitted, the triggering incident was Y-G fault in 765kV Maheswaram Bus-1. A flashover occurred in GIS chamber of CB hence 765kV Bus-1 BBP operated and all main breakers connected to the bus tripped.	27-07-2026 00:06	0	0	GI-2	05-08-2026	29-07-2026	Considered
5	Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS 2 - 400KV @27-07-2025 14:35	400kV ATP_RenewVyoman_PSS2 is equipped with one and half breaker scheme with 400KV/33KV ATP_RenewVyoman_PSS2-ICT-1 main breaker is connected to Bus-2 and 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1 is connected as main breaker to Bus-1 and tie breaker connecting the line and ICT . As per the reports submitted, the triggering incident was an Earth fault due to Y cable puncture in the 33 kV feeder of RenewVyoman_PSS2 substation during which 400/33 kV ICT-1 tripped on REF protection. This led to the Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS2	27-07-2026 14:35	94	0	GI-2	18-08-2026	13-08-2026	Considered

6	Tripping of 400kV Bus-2 of 400kV ATP_RenewVyoman_PSS 2 of Renew	400kV ATP_RenewVyoman_PSS2 is equipped with one and half breaker scheme with 400KV/33KV ATP_RenewVyoman_PSS2-ICT-1 main breaker is connected to Bus-2 and 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1 is connected as main breaker to Bus-1 and tie breaker connecting the line and ICT. As per the reports submitted, the triggering incident was the earth fault during inclement weather conditions due to disc insulator failure in the 33 kV feeder of the RenewVyoman_PSS2 substation during which 400/33 kV ICT-1 tripped on REF protection. This led to the Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS2	29-07-2026 19:33	95	0	GI-2	25-08-2026	-	Not Considered
7	Tripping of 400kV Bus-2 of 400kv ATP_RenewVyoman_PSS 2 31-07 03:20	400kV ATP_RenewVyoman_PSS2 is equipped with one and half breaker scheme with 400KV/33KV ATP_RenewVyoman_PSS2-ICT-1 main breaker is connected to Bus-2 and 400KV-ATP_RenewVyoman-ATP_RenewVyoman_PSS2-1 is connected as main breaker to Bus-1 and tie breaker connecting the line and ICT. As per the reports submitted, the triggering incident was the earth fault due to cable termination failure in the 33 kV feeder of the RenewVyoman_PSS2 substation during which 400/33 kV ICT-1 tripped on REF protection. This led to the	31-07-2026 03:20	106	0	GI-2	25-08-2026	13-08-2026	Considered

		Tripping of 400kV Bus-2 of ATP_RenewVyoman_PSS2							
8	Tripping of 220kV Bus-2 at Edamon SS of KSEB	As per the reports submitted the 220kV Edamon–Pothencode-2 and 220kV Sabarigiri–Edamon-2 tripped prior to the event at 02:09 Hrs (R-G fault) and 02:12 Hrs (Y-B fault) respectively. It is suspected due to these trippings, dielectric insulation breakdown and internal arcing initiated in the Y-phase of the 220kV Sabarigiri–Edamon-2 Hybrid PASS unit resulting in a solid Y-G bus fault and instantaneously tripped all elements connected to Bus - 2 at Edamon end. This led to tripping of 220kV Bus-2 at Edamon SS of KSEB.	01-08-2026 02:19	0	0	GI-1	16-08-2026	10-08-2026	Considered
9	Tripping of 220kV Bus-1 of 220kV Kamalapuram SS of TGTRANSCO	As per the reports, a fault on the LV side of 220/11 kV Station Transformer-2 led to malfunctioning of the 220 kV Busbar-1 protection, resulting in tripping of all breakers connected to Busbar-1. Subsequently, ICT-1 and ICT-3 tripped on the 96 relay signal, causing the outage of 220 kV Busbar-1 at 400 kV Kamalapuram Substation	01-08-2026 15:26	0	0	GI-1	25-08-2026	13-08-2026	Considered
10	Tripping of 220kV Bus-1 & Bus-3 of 220kV Pothencode SS of KSEB	At 220kV Pothencode SS, Bus-1 and 3 are permanently coupled. As per the reports submitted, the triggering incident was R phase disc insulator flashover in the Bus 1 side of 220	02-08-2026 09:02	0	0	GI-1	11-08-2026	04-08-2026	Considered

		kV Bus coupler in the 220 kV Pothencode substation. As the fault was in the Bus 1 side of the bus coupler, differential protection of Busbar 1 operated and tripped all the elements connected to 220kV Bus-1 tripped and led to the Tripping at 220kV Bus-1 and 3 at Pothencode SS of KSEB							
11	Tripping of 400kV BUS-3 at 400kV NTPC SIMHADRI of NTPC	During overhauling of unit 4 of the Simhadri generating station, generator lockout relay manually operated but due to some CB coil failure R phase of 428 main CB failed to open and due to this condition Local breaker back up protection triggered and opened all the breakers connected with Bus 3 which led to tripping of 400kV Bus-3 of 400kV NTPC SIMHADRI of NTPC	03-08-2026 00:17	0	0	GI-2	10-08-2026	03-08-2026	Considered
12	Tripping of 765kV Bus-2 of Srikakulam of PGCIL-SR1	As per the reports submitted, the triggering incident is the R-G fault in 765kV Bus-2 of Srikakulam due to GIS failure leading to 765kV Bus-2 BBP operation and leading to the tripping of all the main breakers connected to 765kV Bus-2 at Srikakulam SS and led to the Tripping of 765kV Bus-2 of Srikakulam of PGCIL-SR1	19-08-2026 12:38	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	400KV/220KV SHANKARAPALLY-ICT-4	As per the reports submitted, 400KV/220KV SHANKARAPALLY-ICT-4 tripped on operation of PRV-1 protection due to ingress of moisture into the relay. Cleaned the moisture and covered the relay and charged the ICT.	23-07-2026 20:43	TGTRANSCO : 1. Tripping of the ICT due to PRV maloperation due to moisture ingress needs review	TGTRANSCO : Cleaned the moisture and covered the relay and charged the ICT.
2	400KV/33KV GREENKO_PSS1-ICT-1	As per the reports submitted, the triggering incident is the B-G fault due to monkey in the vicinity on LV-2 (Bay-305) and leading to the operation of DEF and tripping of 400KV/33KV GREENKO_PSS1-ICT-1	26-07-2026 17:39	GREENKO : 1. Tripping of 400KV/33KV GREENKO_PSS1-ICT-1 on DEF protection needs review	GREENKO : 1. Checked and found fault root cause at PTR-1 LV_2 , checked all the fault currents and settings and found normal PTR taken test charge stood ok
3	220KV-ASUPAKA-LOWER_SILERU-1	As per the reports submitted, the triggering incident was a high impedance B-G fault on the line. At Asupaka end, the fault was sensed in Z3 and further in between Z2 was high and dropped in multiple instances and eventually tripped on Z3 time trip. At Lower Sileru end, after the tripping of the line at Asupaka end, sensed the fault in Z3 and tripped on Z3 time trip.	30-07-2026 15:10	APGENCO : 1. Fault was sensed in only one main and needs review TGTRANSCO : 1. Multiple Z2 drops and pick up needs review	

4	400KV-ANANTHPURAM-ATP_RenewVyoman-1	As per the reports submitted, the triggering incident was an R-G fault. At the Ananthapuram end, the fault was sensed in Zone 2, and the DEF protection also operated. The line tripped three-phase at the Ananthapuram end with DEF operation. At the ATP_RenewVyoman-1 end, the overvoltage protection picked up, and the line tripped upon receiving a DT signal. From the DR at the ATP_RenewVyoman-1 end, it is evident that the fault occurred on the 33 kV side of the substation; however, the Zone 3 and Zone 4 distance protection elements also picked up.	01-08-2026 01:37	<u>PGCIL SR-1</u> : 1. DEF operation at Ananthapuram end during Z2 fault sensing needs review. <u>RENEW POWER PVT LTD</u> : 1. Z3 sensing in a reverse direction fault needs review.	
5	400KV-GUDDIGUEDEM-HINDUJA-1	As per the reports submitted, the triggering incident was an R-G fault on the line. At the Guddigudem end, the fault was sensed by the carrier-aided Zone 2 protection at a distance of approximately 200 km. The R-pole opened, and A/R operated successfully. However, approximately 300 ms later, the line tripped again with SOTF operation due to persistent fault. At Hinduja end, the fault was sensed in Z1 and operated and tripped due to persistent fault (even after the adaptive logic)	02-08-2026 01:10	<u>HINDUJA</u> : 1. Operation of AR even after the adaptive AR logic needs review	
6	400KV-GAZUWAKA-KALPAKKA-1	As per the reports submitted, the triggering incident was the phase isolator issue at	03-08-2026 19:41		

		Kalapaka end for the 400KV-GAZUWAKA-KALPAKKA-1 line, due to which the current in Y-pole was 0A from around 19:39:55.240 and further after around 32, DEF operated at Gazuwaka end even though the voltages are in balanced condition. Line was holding from Kalapaka end.		<u>APTRANSCO</u> : 1. Non availability of DT for DEF in the line needs review <u>PGCIL SR-1</u> : 1. Tripping of the line on DEF for open conductor (Y phase isolator in open condition) needs review.	<u>APTRANSCO</u> : The feeder was charged through TBC-2 and later LC was availed and replaced damaged Y- Phase line isolator
7	220KV-SEDAM-TANDUR-1	As per the reports submitted, the triggering incident was a B-G fault in the line. At SEDAM end, the fault was sensed in Z2 at a distance of 41km and Z2 time tripped after around 400ms where in the line 3 phase tripped. Line is in open condition at Tandur end.	04-08-2026 19:57	<u>KPTCL</u> : 1. Delayed fault clearance needs review	
8	400KV-SIMHADRI-GAZUWAKA-1	As per the reports submitted, 400 kV-Simhadri-Gazuwaka-1 tripped only at Gazuwaka end due to opening of 412 Bay CB for pneumatic circuit failure of the CB.	09-08-2026 13:02	<u>PGCIL SR-1</u> : 1. Problem in 412 CB pneumatic circuit needs review.	
9	400KV-GAZUWAKA-KALPAKKA-1	As per the reports submitted, the triggering incident discontinuity in the line in Y-phase leading to an open jumper situation with Y-phase current being 0A from 06:31:40.240, and at around 06:34:05 Hrs DEF operated at	10-08-2026 06:34	<u>PGCIL SR-1</u> : 1. Tripping of the line on DEF for broken conductor needs review	<u>APTRANSCO</u> : R-Phase hanger rod replaced

		Gazuwaka end and 3ph tripped. At Kalapaka end, the line was in closed condition.		APTRANSCO : 1. Non availability of DT for DEF needs review	
10	220KV-KUDGI_NTPC-BILAGI-2	As per the reports submitted, the triggering incident is the tripping of the line at Bilagi end and the DT was sent to NTPC Kudgi end. The exact reason for tripping at Bilagi end is not yet furnished. At Kudgi end DT was received and 3ph tripped.	11-08-2026 10:47	KPTCL : 1. Tripping of the line Bilagi end needs review 2. Sending of DT to remote end needs review	
11	400KV/11KV YADADRI TPP-ST-3	As per the reports submitted, 400KV/11KV YADADRI TPP ST-3 tripped due to maloperation of 96T relay (Tie LBB) operated in 438 bay which was under LC suspectedly due to DC Earth fault and suspecting a wire behind 96T touching to ground leading to the tripping of ST-3 at YADADRI TPS	11-08-2026 13:15	TGGENCO : 1. Tripping of the ST-3 needs review	TGGENCO : All the necessary wiring was checked and ST-3 was again charged.
12	400KV/230KV MADURAI_PG-ICT-1	As per the reports submitted, 400KV/230KV MADURAI ICT 1 got tripped Buchholz maloperation without any fault and led to the 3ph tripped.	16-08-2026 11:18	PGCIL SR-2 : 1. Tripping of the ICT due to Buchholz protection maloperation needs review	PGCIL SR-2 : The failed expansion bellow along with the suspected expansion bellow were replaced
13	Multiple trippings at 400kV HEBBANAHALLI SS	As per the reports submitted, the triggering incident was a developing high B-G fault on the line. At the Hebbanahalli end, the fault was initially sensed in Z2 and subsequently in Z1 after around 700ms. The line was then tripped	17-08-2026 15:04	KPTCL : 1. Tripping of the ICT during line fault needs review	KPTCL : 1. Since line is in Charge condition from UPCL end upto Hebbanahalli end. Breaker charged

		three-phase at this end, and a carrier signal was sent to the UPCL end due to Z1 operation. At the UPCL end, the fault was sensed in Z2; however, the line was tripped at this end upon receipt of the carrier signal, with a delay of 760 ms. At the Hebbanahalli end, A/R did not operate, whereas at the UPCL end, A/R operated successfully. During the same time 400KV/220KV HEBBANAHALLI-ICT-1 tripped on IN>1.			from Hebbanahalli end after taken concurrence/code.
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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-KOTHAGUDEM_TPS-TIRUVURU-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Kothagudem end, the fault was sensed in Z1 at a distance of 26km and A/R operated and was successful. At Tiruvuru end, the fault was sensed in Z1 at a distance of 67km, A/R did not operate and the line tripped.	22-07-2026 09:55	<u>APTRANSCO</u> : 1. Non operation of A/R at Thiruvuru end needs review	
2	220KV-CHILLAKALLU-SURYAPET-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Suryapet end, the fault was sensed in Z1 at a distance of 46km, A/R did not operate even after receiving CB close command and the line tripped on PD	23-07-2026 21:48	<u>TGTRANSCO</u> : 1. Non operation of A/R at Suryapet end	<u>TGTRANSCO</u> : Breaker closing issue will be checked by availing LC

		after 1.6s. At Chillakallu end, CB is in open condition			
3	220KV-YERRAANDAHALLI-HOSUR-1	As per the reports submitted, the triggering incident was a Y-G fault on the line. At the Yerrandahalli end, the fault was sensed in Zone 1 at a distance of 4 km. A/R did not operate, and the line tripped in all three phases. The line was then idly charged from the Yerrandahalli end and open from Hosur end	02-08-2026 13:11	KPTCL : 1. Non operation of A/R at Yeraandahalli end needs review.	KPTCL : After inspection by TLM staff, found burnt tree branch at Iggalur Limits near CMS International School, Anekal Taluk. After trimming of suspected tree branches by TLM staff & concurrence received from AEE TLM Somanahalli, & closing code-409 received from SLDC, line was energized and found healthy
4	220KV-SULURPET-GUMMIDIPOONDI-1	As per the reports submitted, the triggering incident was a R-G fault in the line. At SULURPET end, the fault was sensed in Z1 at a distance of 11km and R pole opened. At GUMMIDIPOONDI end, the fault was sensed in carrier aided Z2 at a distance of 54km and 3 phase tripped . At Sulturpet, A/R operated; however, the line subsequently tripped due to the persistent fault. At Gummidipoondi A/R didn't operate.	05-08-2026 22:45	TANTRANSCO : 1. Non operation of AR at GUMMIDIPOONDI end needs review	TANTRANSCO : Line test charged & stood OK
5	220KV-SULURPET-GUMMIDIPOONDI-1	As per the reports submitted, the triggering incident was a R-G fault in the line . At Sulturpet end fault was sensed in Zone 1, and R pole	06-08-2026 22:21		APTRANSCO : Feeder was test charged and stood ok

		opened and at Gummidipoondi end fault was sensed in carrier aided Z2 , R pole opened . At Sulturpet end A/R operated successfully but at Gummidipoondi end A/R failed to operate and pole discrepancy operated after 1.5 sec and tripped the line at Gummidipoondi end.		<u>TANTRANSCO</u> : 1. Non operation of AR at GUMMIDIPOONDI end needs review	<u>TANTRANSCO</u> : Line test charged & stood OK
6	400KV-GAZUWAKA-KALPAKKA-2	As per the reports submitted, the triggering incident was Y-G fault in the line due to Y-Phase jumper disconnected at location 10. At Gazuwaka end, the fault was sensed in Line differential protection and Y pole opened. At KALPAKKA end, the fault was sensed in Line differential protection and Y pole opened but after around 250ms 3ph tripped at Kalpakka end without any AR operation. At Gazuwaka end AR operated and was successful but the line tripped at Gazuwaka end and (intertrip DT sent to remote end) due to fault in reclaim time	08-08-2026 21:42	<u>APTRANSCO</u> : 1. Non operation of AR at KALPAKKA end needs review	<u>APTRANSCO</u> : Y-Phase jumper disconnected at location 10, Rectification works carried out
7	220KV-CHILLAKALLU-PULICHINTALA-1	As per the reports submitted, the triggering incident was a R-G fault in the line. At Pulichintala end , the fault was sensed in Zone 1 and Chillakallu end , the fault was sensed in carrier aided Zone 2 and R pole opened at both ends. At Pulichintala end, A/R operated successfully but Chillakallu end A/R failed to operate.	09-08-2026 23:42	<u>APTRANSCO</u> : 1. Non operation of AR at CHILLAKALLU end needs review	

8	220KV-SULURPET-GUMMIDIPOONDI-1	As per the reports submitted, the triggering incident was R-G fault in the line. At Sulurpet end, the fault was sensed in Z1 and R pole opened and after that A/R operated successfully . At Gummidipoondi end, the fault was sensed in carrier aided Z2 and the line tripped in all three phases without any A/R operation	11-08-2026 00:57	TANTRANSCO : 1. Non operation of AR at GUMMIDIPOONDI end needs review	TANTRANSCO : Feeder is under breakdown APTRANSCO : Line patrol under progress
9	220KV-CHILLAKALLU-SURYAPET-1	As per the reports submitted, the triggering incident was an R-G fault on the line. Prior to the fault, the line was idle-charged from the Suryapet end, and therefore, no DR was triggered at the Chillakallu end. At the Suryapet end, the fault was sensed in Z1, and the R pole opened. As A/R failed to operate within the specified dead time, pole discrepancy protection operated 1.7 seconds after the opening of the R pole, resulting in a three-phase trip.	19-08-2026 01:52	TGTRANSCO : 1. Non operation of AR at Suryapet end needs review	TGTRANSCO : 1. Fault attended and damaged disc insulator replaced by TG Transco Lines wing in TG Transco jurisdiction.

V. PLCC Maloperation-related Events

S. No.	Event	Event Analysis	Outage Date & time	Points for Review	Remedial Actions Furnished
1	400KV-VTPS_IV-VIJAYAWADA-1	As per the reports submitted, the line tripped only at the VTPS-IV end upon receiving the DT-1 signal from the Nunna end due to PLCC maloperation. Since there was no fault on the	11-08-2026 18:27	APGENCO : 1. PLCC maloperation leading to tripping of the line at VTPS end need review	APGENCO : 1. Informed to Nunna, APTRANSCO

		line, no protection scheme operated at the Vijayawada end			
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VI. DR Time Synchronization Issues Related Events

Sl. No	Element	Date & Time	Station at which DR time synchronisation was not observed
1	400KV-KALABURAGI-YTPS-2	22-07-2026 16:27	YTPS - 400KV
2	400KV-NARENDRA-GUTTUR-2	23-07-2026 10:41	GUTTUR - 400KV
3	220KV-AMBEWADI-XELDEM-1	24-07-2026 16:51	AMBEWADI - 220KV
4	220KV-AMBEWADI-XELDEM-1	26-07-2026 13:18	AMBEWADI - 220KV
5	400KV/33KV ATP_RenewVyoman_PSS2-ICT-1	27-07-2026 14:35	ATP_RenewVyoman_PSS2 - 400KV
6	400KV/33KV ATP_RenewVyoman_PSS2-ICT-1	27-07-2026 14:35	ATP_RenewVyoman_PSS2 - 400KV
7	220KV-ASUPAKA-LOWER_SILERU-1	30-07-2026 15:10	LOWER_SILERU - 220KV
8	400KV/33KV ATP_RenewVyoman-ICT-1	31-07-2026 03:20	ATP_RenewVyoman - 400KV
9	220KV-TIRUNELVELI-EDAMON-1	01-08-2026 02:20	TIRUNELVELI - 220KV
10	EDAMON - 220KV	01-08-2026 02:19	EDAMON - 220KV
11	DHONE - 220KV	01-08-2026 13:54	DHONE - 220KV
12	POTHENCODE - 220KV	02-08-2026 09:02	POTHENCODE - 220KV
13	220KV-YERRAANDAHALLI-HOSUR-1	02-08-2026 13:11	YERRAANDAHALLI - 220KV
14	400KV-PAVAGADA_PG-DEVANAHALLI-1	03-08-2026 20:18	PAVAGADA_PG - 400KV
15	220KV-SEDAM-TANDUR-1	04-08-2026 19:57	SEDAM - 220KV

Grid Occurrences to be discussed during 146th PCSC meeting to be held on 07.09.2026

16	220KV-SULURPET-GUMMIDIPOONDI-1	05-08-2026 22:45	GUMMIDIPOONDI - 220KV
17	220KV-SULURPET-GUMMIDIPOONDI-1	05-08-2026 22:45	SULURPET - 220KV
18	400KV-ARIYALUR-NNTTP-2	06-08-2026 01:54	NNTTP - 400KV
19	400KV-PAVAGADA_PG-DEVANAHALLI-1	06-08-2026 11:17	PAVAGADA_PG - 400KV
20	220KV-AMBEWADI-XELDEM-1	07-08-2026 09:13	AMBEWADI - 220KV
21	220KV-AMBEWADI-XELDEM-1	09-08-2026 13:28	AMBEWADI - 220KV
22	400KV-NARNOOR-SRISAILAM_LEFT_BANK-1	09-08-2026 19:51	NARNOOR - 400KV
23	400KV-NARNOOR-SRISAILAM_LEFT_BANK-1	09-08-2026 19:51	SRISAILAM_LEFT_BANK - 400KV
24	220KV-SULURPET-GUMMIDIPOONDI-1	11-08-2026 00:57	SULURPET - 220KV
25	220KV-SULURPET-GUMMIDIPOONDI-1	11-08-2026 00:57	GUMMIDIPOONDI - 220KV
26	220KV-AMBEWADI-PONDA-2	11-08-2026 13:54	AMBEWADI - 220KV
27	220KV-AMBEWADI-XELDEM-1	12-08-2026 04:20	AMBEWADI - 220KV
28	220KV-AMBEWADI-PONDA-2	16-08-2026 12:13	AMBEWADI - 220KV
29	400KV-HEBBANAHALLI-UPCL-2	17-08-2026 15:04	UPCL - 400KV
30	220KV-AMBEWADI-XELDEM-1	20-08-2026 11:27	AMBEWADI - 220KV
31	220KV-AMBEWADI-XELDEM-1	20-08-2026 19:27	AMBEWADI - 220KV
