

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	220KV-FGPP NTPC-SEC 58(HVPNL)-2	LEFT	04/05/22	14:28:00	04/05/22	19:11:00	0.20	4.72	0.00	0.00	0.00		* Tripped on B-N fault.FLR-FGPP-2km/Z-1,Faridabd-(58)-13.29km/.Fault is in Ballabgarh TL.Nothing found abnormal during patrolling.
CKT	220KV-FGPP NTPC-SEC 58(HVPNL)-2	OSPD	26/05/22	16:22:00	26/05/22	19:10:00	0.12	0.00	0.00	0.00	2.80		* Shutdown by HVPNL for maintenance work at their end.
							0.32	4.72	0.00	0.00	2.80	99.37	
CKT	220KV HISAR-HISAR(HVPNL)-1	LNCC	23/05/22	20:36:00	24/05/22	00:37:00	0.17	0.00	0.00	4.02	0.00		* Line tripped B-N fault during heavy windstorm. FLR: Hissar(PG)-23.772KA/0.3KM.
CKT	220KV HISAR-HISAR(HVPNL)-1	SEFU	10/05/22	16:09:00	11/05/22	20:36:00	1.19	0.00	28.45	0.00	0.00		* Tripped due to Bus fault caused by failure of Y-Phase CT of 220KV Hissar BBMB line <(>&<-> Hissar(PG)-1 at Hissar IA(HVPNL) end.FLR:= Hissar(PG)-Y-B,13.76km/10.73kA,Zone-2.220KV Hissar IA station got dead.
CKT	220KV HISAR-HISAR(HVPNL)-1	OSPD	03/05/22	09:02:00	05/05/22	18:40:00	2.40	0.00	0.00	0.00	57.63		* Shutdown by HVPNL for replacement of multilated conductor of line bay at Hissar(IA) end. Bay at Hissar(IA) belongs to HVPNL. S/D by 04/05/2022.
							3.76	0.00	28.45	4.02	57.63	100.00	
CKT	220KV HISAR-HISAR(HVPNL)-2	LNCC	23/05/22	20:36:00	24/05/22	00:37:00	0.17	0.00	0.00	4.02	0.00		* Line tripped on B-N fault during heavy windstorm. FLR: Hissar(PG)-5.527KA/13.76KM.
CKT	220KV HISAR-HISAR(HVPNL)-2	LPRD	04/05/22	15:20:00	05/05/22	18:40:00	1.14	0.00	0.00	0.00	27.33		* Line hand tripped for Power regulation on RLDC instruction due to overloading of 220KV HISAR-HISAR I/A-II
CKT	220KV HISAR-HISAR(HVPNL)-2	SEFU	10/05/22	16:09:00	10/05/22	20:05:00	0.16	0.00	3.93	0.00	0.00		* Tripped only from Hissar IA end due to Bus fault caused by failure of Y-Phase CT of 220KV Hissar BBMB line <(>&<-> Hissar(PG)-1 at Hissar IA(HVPNL) end.220KV Hissar IA station got dead.
CKT	220KV HISAR-HISAR(HVPNL)-2	OSPD	01/05/22	00:00:01	02/05/22	22:08:00	1.92	0.00	0.00	0.00	46.13		* Shutdown by HVPNL for replacement of multilated conductor of line bay at Hissar(IA) end. Bay at Hissar(IA) belongs to HVPNL. Shutdown upto 01.05.2022.
							3.39	0.00	3.93	4.02	73.46	100.00	
CKT	220KV IG NAGAR(RRVPNL)-HIRAPURA(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV LALSOT(RRVPNL)-DAUSA(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV MANSROVAR(RRVPNL)-HIRAPURA(RRVPNL)	LNCC	23/05/22	09:46:00	23/05/22	11:17:00	0.06	0.00	0.00	1.52	0.00		* Line tripped on R-N fault during heavy windstorm in the area. FLR: Heerapura-12.17KA/0.29KM.
							0.06	0.00	0.00	1.52	0.00	100.00	
CKT	220KV MEERUT-MODIPURAM(UPPTCL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV MEERUT-MODIPURAM(UPPTCL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV MEERUT-NARA(UPPTCL)	OMSU	23/05/22	09:06:00	23/05/22	11:42:00	0.11	0.00	2.60	0.00	0.00		* Line tripped on R-N fault in UPPCL portion of the line during heavy windstorm in the area. FLR: Meerut-24KM/6.9KA, Nara-9.5KM.
CKT	220KV MEERUT-NARA(UPPTCL)	OMSU	08/05/22	01:48:00	08/05/22	04:08:00	0.10	0.00	2.33	0.00	0.00		* Line tripped from Nara end only and autoreclose from Meerut end during Y-N fault on UPPCL portion of line. FLR: Meerut- 12.87KM/12.02KA, Nara-19.38KM.
CKT	220KV MEERUT-NARA(UPPTCL)	OSFD	08/05/22	17:12:00	08/05/22	19:07:00	0.08	0.00	0.00	0.00	1.92		* Shutdown by UPPCL for removal of bird nest from Tower no.- 59. This refers to tripping of the line on 0148 hrs/08.05.2022.
CKT	220KV MEERUT-NARA(UPPTCL)	OMSU	04/05/22	16:37:00	04/05/22	18:47:00	0.09	0.00	2.17	0.00	0.00		* Tripped only from meerut end on B-N fault .FLR-Meerut-32km/6.15kA <(>&<-> A/R from Nara end.
CKT	220KV MEERUT-NARA(UPPTCL)	OSPD	02/05/22	09:50:00	02/05/22	19:32:00	0.40	0.00	0.00	0.00	9.70		* Shutdown by UPPCL for Lopping <(>&<-> chopping of trees in line corridor.
							0.78	0.00	7.10	0.00	11.62	100.00	
CKT	220KV MEERUT-SHATABDINAGAR(UPPTCL)	OSPD	30/05/22	10:46:00	30/05/22	20:35:00	0.41	0.00	0.00	0.00	9.82		* Shutdown by UPPCL for lopping of trees in line corridor and over head crossing of under construction 132KV Vedvyasपुरi-Kankarkhera LILO line.
CKT	220KV MEERUT-SHATABDINAGAR(UPPTCL)	OSPD	31/05/22	09:56:00	31/05/22	19:11:00	0.39	0.00	0.00	0.00	9.25		* Shutdown by UPPCL for lopping of trees in line corridor and over head crossing of under construction 132KV Vedvyasपुरi-Kankarkhera LILO line.
CKT	220KV MEERUT-SHATABDINAGAR(UPPTCL)	LART	22/05/22	04:53:00	22/05/22	04:53:00	0.00	0.00	0.00	0.00	0.00		* Auto reclose on R-N fault. FLR: Meerut-13.78KM/11.05Ka. Fault under UPPCL jurisdiction.
CKT	220KV MEERUT-SHATABDINAGAR(UPPTCL)	OMSU	04/05/22	18:40:00	04/05/22	21:19:00	0.11	0.00	2.65	0.00	0.00		* Tripped on R-N fault.FLR-Meerut-28.94km/6.67kA Satabdinagar-8.78km/4.96kA.Fault is in UPPCL portion .
							0.91	0.00	2.65	0.00	19.07	100.00	
CKT	220KV MEERUT-SIMBHOLI(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV RAPPB(NPCIL)-RAPPB(NPCIL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	

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CKT	220kV RAPPB(NPCIL)-UDAIPUR(RRVPNL)	LNCC	07/05/22	14:35:00	07/05/22	18:36:00	0.17	0.00	0.00	4.02	0.00		* Line tripped on Y-B fault due to dense smoke caused by forest fire. FLR: RAPPB-Y-B/156KM/lb-1.65KA,lc-1.38KA, Debari- M1-Y-B/60.02KM/lb-1.161KA= ,lc-1.48KA. M2- Y-B/63.0KM/lb-551A,lc-691.5A.
							0.17	0.00	0.00	4.02	0.00	100.00	
CKT	220kV RATANGARH(RRVPNL)-SIKAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV RATANGARH(RRVPNL)-SIKAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV-SAMAYPUR(HVPNL)-SEC58-1	OSPD	08/05/22	10:00:00	08/05/22	11:24:00	0.06	0.00	0.00	0.00	1.40		* Shutdown by HVPNL for tree trimmng <-&-> half yearly maintenance work.
							0.06	0.00	0.00	0.00	1.40	100.00	
CKT	220KV-SAMAYPUR(HVPNL)-SEC58-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SANGANER(RRVPNL)-MANSROVAR(RRVF			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV S.MADHOPUR(RRVPNL)-DAUSA(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SIKAR(RRVPNL)-SIKAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SIKAR(RRVPNL)-SIKAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AGRA-JAIPUR SOUTH-1	OSFT	23/05/22	09:36:00	23/05/22	10:32:00	0.04	0.93	0.00	0.00	0.00		* Hand tripped by NR-3 due to fire in isolator of line reactor at agra end.
							0.04	0.93	0.00	0.00	0.00	99.87	
CKT	400kV AGRA-JAIPUR SOUTH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AGRA-SIKAR-1	LVRD	23/05/22	07:11:00	24/05/22	13:19:00	1.26	0.00	0.00	0.00	30.13		* Hand tripped on Voltage Regulation. Agra-433KV.
CKT	400kV AGRA-SIKAR-1	LVRD	21/05/22	18:24:00	22/05/22	10:38:00	0.68	0.00	0.00	0.00	16.23		* Hand tripped on Voltage Regulation. Agra-426 KV.
							1.94	0.00	0.00	0.00	46.36	100.00	
CKT	400kV AGRA-SIKAR-2	LVRD	29/05/22	17:58:00	30/05/22	09:48:00	0.66	0.00	0.00	0.00	15.83		* Hand tripped on Voltage Regulation. Agra-430 KV.
							0.66	0.00	0.00	0.00	15.83	100.00	
CKT	400kV AJMER-AJMER(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AJMER-AJMER(RRVPNL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BABA(I)(RRVPNL)-SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-DEHRADUN	OSPT	23/05/22	13:20:00	26/05/22	19:50:00	3.27	78.50	0.00	0.00	0.00		* S/D for Busbar-1 restoration work at Bagpat. S/D upto 25.05.2022.
							3.27	78.50	0.00	0.00	0.00	89.45	
CKT	400kV BAGPAT-MEERUT-1	OSPT	30/05/22	09:11:00	31/05/22	18:17:00	1.38	33.10	0.00	0.00	0.00		* Shutdown for annual maintenance work. Shutdown extended due to gas leakage from NRV in Y-phase GIS compartment GC05 at Baghat end.
							1.38	33.10	0.00	0.00	0.00	95.55	
CKT	400kV BAGPAT-MEERUT-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-SAHARANPUR	OSFT	27/05/22	08:07:00	27/05/22	18:25:00	0.43	10.30	0.00	0.00	0.00		* S/D to attand hotspot on B-phase line isolator at Saharanpur end.
CKT	400kV BAGPAT-SAHARANPUR	GOVC	23/05/22	08:03:00	23/05/22	11:41:00	0.15	0.00	0.00	3.63	0.00		* Tripped only from Saharanpur end on over voltage protection operation due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.58	10.30	0.00	3.63	0.00	98.61	
CKT	400kV BALLABHGARH-NAVADA(HVPNL)	GOVC	23/05/22	06:28:00	23/05/22	11:26:00	0.21	0.00	0.00	4.97	0.00		* Tripped on Over voltage protection operated at Ballabgarh end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.21	0.00	0.00	4.97	0.00	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-2	GOVC	19/05/22	01:22:00	19/05/22	02:45:00	0.06	0.00	0.00	1.38	0.00		* Tripped on Overvoltage protection operated at Heerapura(RRVPNL) end and DT received at Bassi.
CKT	400kV BASSI-HIRAPURA(RRVPNL)-2	OSFD	20/05/22	01:37:00	20/05/22	19:32:00	0.75	0.00	0.00	0.00	17.92		* Line charging clearance given to NRLDC at 0137 hrs /20.05.22 however NRLDC did not issue the charging code in want of CEA safety certificate
CKT	400kV BASSI-HIRAPURA(RRVPNL)-2	GOVC	19/05/22	04:14:00	20/05/22	01:37:00	0.89	0.00	0.00	21.38	0.00		* Tripped on Overvoltage protection operated at Heerapura(RRVPNL) end and DT received at Bassi.* 21.05.2022 09:22:25 INDIA Bhupendra Garg (60011877)* Shutdown availed for testing and CVT replacement works at Heerapura end by PowerGrid Bassi.
							1.70	0.00	0.00	22.76	17.92	100.00	
CKT	400kV BASSI-JAIPUR SOUTH-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-JAIPUR SOUTH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	

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CKT	400kV BASSI-PHAGI(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-PHAGI(RRVPNL)-2	LNCC	21/05/22	20:13:00	22/05/22	17:10:00	0.87	0.00	0.00	20.95	0.00	100.00	* Tripped on R-N fault during localized wind storm in the area. FLR: Bassi-27.0Km/7.6Ka.* 22.05.2022 21:31:11 INDIA Puneet Aggarwal (60003530)* During Patrolling, Suspension clamp of earth wire found damaged at location 53 and same had been rectified.
CKT	400kV BEAWAR(SREE CEMENT)-MERTA(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAHADURGARH-BAWANA(DTL)	GOVC	23/05/22	07:32:00	23/05/22	12:10:00	0.19	0.00	0.00	4.63	0.00	100.00	* Tripped on over voltage protection operated at Bawana end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
CKT	400kV BAHADURGARH-KABULPUR(HVPNL)	LNCC	23/05/22	05:28:00	23/05/22	13:17:00	0.33	0.00	0.00	7.82	0.00	100.00	* Line tripped on R-N fault due to OPGW earthwire snapping at loc. 84 LILO point during heavy windstorm in the area. FLR: Bahadurgarh=11.37Km/9.837Ka.
CKT	400kV BAHADURGARH-SONIPAT-1	GOVC	23/05/22	07:32:00	23/05/22	09:32:00	0.08	0.00	0.00	2.00	0.00	100.00	* Tripped on over voltage protection operated at Bahadurgarh end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
CKT	400kV BAHADURGARH-SONIPAT-2	LNCC	23/05/22	05:04:00	23/05/22	10:31:00	0.23	0.00	0.00	5.45	0.00	100.00	* Line tripped on R-N fault during heavy windstorm in the area. FLR: Bahadurgarh-14.25Km/10.6Ka, Sonipat-38.37Km/5.65Ka.
CKT	400kV BAHADURGARH-SONIPAT-2	LNCC	29/05/22	17:56:00	29/05/22	22:50:00	0.20	0.00	0.00	4.90	0.00	100.00	* Tripped on RY-N fault during windstorm in the area. FLR: Bahadurgarh-40Km/7.3Ka, Sonipat-8.7Km/11.0Ka.
CKT	400kV BHADLA-BHADLA(RRVPNL)-1	OSPT	19/05/22	17:46:00	20/05/22	00:24:00	0.28	6.63	0.00	0.00	0.00	99.11	* Shutdown by RRVPNL for quarterly maintenance works at Bhadla RS.
CKT	400kV BHADLA-BHADLA(RRVPNL)-2	OSFT	05/05/22	16:54:00	05/05/22	19:20:00	0.10	2.43	0.00	0.00	0.00	100.00	* Forced Shutdown to attend hot spot in Y-phase line isolator dropper at Bhadla(PG) end.
CKT	400kV BHADLA-BHADLA(RRVPNL)-2	OSPT	20/05/22	17:27:00	20/05/22	23:19:00	0.24	5.87	0.00	0.00	0.00	98.88	* S/D by RRVPNL for Quarterly maintenance work.
CKT	400kV-BHADLA(PG)_R-BHADLA2-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV-BHADLA(PG)_R-BHADLA2-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-BHIWADI-1	OSFT	24/05/22	11:22:00	24/05/22	15:39:00	0.18	4.28	0.00	0.00	0.00	99.42	* Shutdown to attend damage R-Ph wave trap at Bhiwadi.
CKT	400kV BHIWADI-KOTPUTLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BHIWADI-NEEMRANA-1	LVRD	23/05/22	23:35:00	24/05/22	11:12:00	0.48	0.00	0.00	0.00	11.62	100.00	* Hand tripped on Voltage Regulation. Bhiwadi-430 KV.
CKT	400kV BHIWADI-NEEMRANA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BHIWANI(BBMB)-BHIWANI	LART	30/05/22	05:05:00	30/05/22	05:05:00	0.00	0.00	0.00	0.00	0.00	100.00	* Auto-reclose on B-N fault. FLR: Bhiwani(PG)-27.63Km/11.73Ka, Bhiwani(BBMB)-72.29Km/14.13Ka.
CKT	400kV BHIWANI(BBMB)-BHIWANI	GOVC	23/05/22	07:33:00	23/05/22	13:03:00	0.23	0.00	0.00	5.50	0.00	100.00	* Tripped on over voltage protection operated at Bawana(DTL) end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
CKT	400kV BHIWANI-JIND-1	OSFT	25/05/22	17:38:00	25/05/22	21:02:00	0.14	3.40	0.00	0.00	0.00	99.54	* Forced shutdown to attend opened jumper of top phase at tower no. 193.
CKT	400kV BHIWANI-JIND-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BHIWANI-KABULPUR(HVPNL)	OSFT	05/05/22	17:20:00	05/05/22	19:51:00	0.11	2.52	0.00	0.00	0.00	100.00	* Forced Shutdown to remove foreign material from D/C line between location 188-189.
CKT	400kV BHIWANI-KABULPUR(HVPNL)	LNCC	07/05/22	15:51:00	07/05/22	17:33:00	0.07	0.00	0.00	1.70	0.00	99.66	* Line tripped on B-N fault due to dense smoke caused by forest fire. FLR: Bhiwani- 18.474KM/13.933KA, Kabulpur- 22.4KM/9.75KA.
CKT	400kV BHINMAL-KANKROLI	LART	11/05/22	05:33:00	11/05/22	05:33:00	0.00	0.00	0.00	0.00	0.00	100.00	* Autoreclosed successfully on Y-N fault FLR:Bhinmal-73.20 KM/3.38kA=Kankroli-110.50 KM/3.10kA.Fault under Bhinmal TL jurisdiction as per Bhinmal details <(><> in Kankroli TL jurisdiction as per Kankroli details .
CKT	400kV BIKANER-BHADLA(RRVPNL)	OSPD	26/05/22	17:54:00	26/05/22	21:40:00	0.16	0.00	0.00	0.00	3.77	100.00	* Shutdown by RRVPNL for Quarterly Maintenance at their Bhadla(RRVPNL) end.
CKT	400kV BIKANER-BHADLA(RRVPNL)	OSPD	25/05/22	17:39:00	25/05/22	23:11:00	0.23	0.00	0.00	0.00	5.53	100.00	* Shutdown by RRVPNL for Quarterly Maintenance work alongwith 50MVAR Line Reactor at their Bhadla(RRVPNL) end.
CKT	400kV BIKANER-BIKANER(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAMBOLI(DTL)-TUGHLAKABD-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAMBOLI(DTL)-TUGHLAKABD-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BAREILY-MEERUT-3(LILO PART MEERUT)	LNCC	28/05/22	21:55:00	28/05/22	23:02:00	0.05	0.00	0.00	1.12	0.00		* Tripped due to bad Weather /wind storm on R-N fault.Meerut-9km/21kA=.Bareilly-249.5km/1.54kA.Fault is in Meerut TL.
CKT	400KV-BAREILY-MEERUT-3(LILO PART MEERUT)	LART	24/05/22	00:05:00	24/05/22	00:05:00	0.00	0.00	0.00	0.00	0.00		* Line autoreclose on B-N fault during heavy windstorm in the area. FLR: Meerut-12.29KA/25.26KM, Bareilly-1.89KA/224.23KM. Fault under Meerut TL jurisdiction.
CKT	400KV-BAREILY-MEERUT-3(LILO PART MEERUT)	LNCC	20/05/22	20:26:00	20/05/22	21:23:00	0.04	0.00	0.00	0.95	0.00		* Tripped due to heavy wind storm on B-N fault.FLR-Meerut-46.22km/7.81kA= .Bareilly -209.6km/1.75kA.Fault is in Meerut TL.
							0.09	0.00	0.00	2.07	0.00	100.00	
CKT	400KV-BAREILY-MEERUT-4(LILO PART MEERUT)	LART	28/05/22	21:55:00	28/05/22	21:55:00	0.00	0.00	0.00	0.00	0.00		* A/R due to bad Weather /wind storm on B-N fault.Meerut-9km/21kA=.Bareilly-249.5km/1.54kA.Fault is in Meerut TL.
CKT	400KV-BAREILY-MEERUT-4(LILO PART MEERUT)	LART	20/05/22	20:26:00	20/05/22	20:26:00	0.00	0.00	0.00	0.00	0.00		* A/R on B-N fault.FLR-Meerut-33km/10.53kA,Bareilly -210km/2.28kA.Fault is in Meerut TL.Heavy wind storm reported.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAWANA(DTL)-BHIWANI	LNCC	27/05/22	15:04:00	27/05/22	18:00:00	0.12	0.00	0.00	2.93	0.00		* Tripped due to bad weather/storm on R-N fault.FLR-Bhiwani-10.36km/18.04kA,Bawana-70.4km.Fault is in Bahadurgarh TL <(>&< > Bhiwani TL.Nothing found abnormal during patrolling.
CKT	400kV BAWANA(DTL)-BHIWANI	OSFD	23/05/22	11:32:00	23/05/22	16:27:00	0.21	0.00	0.00	0.00	4.92		* Forced S/D taken by DTL due to problem in wavetrap at Bawana end.
CKT	400kV BAWANA(DTL)-BHIWANI	GOVC	23/05/22	08:01:00	23/05/22	11:34:00	0.15	0.00	0.00	3.55	0.00		* Tripped on over voltage protection operated at Bawana end due to sudden rise in voltage caused by load loss during heavy windstorm in the area. Wave trap at Bawana DTL found disturbed. Later forced shutdown availed by DTL to attend the same.
CKT	400kV BAWANA(DTL)-BHIWANI	OSFT	05/05/22	17:22:00	05/05/22	19:50:00	0.10	2.47	0.00	0.00	0.00		* Forced Shutdown to remove foreign material from D/C line between location 188-189.
CKT	400kV BAWANA(DTL)-BHIWANI	LNCC	07/05/22	15:49:00	07/05/22	18:22:00	0.11	0.00	0.00	2.55	0.00		* Line tripped on R-N fault due to dense smoke caused by forest fire. FLR: Bhiwani- 21.899KM/12.187KA.
CKT	400kV BAWANA(DTL)-BHIWANI	LART	02/05/22	16:13:00	02/05/22	16:13:00	0.00	0.00	0.00	0.00	0.00		* Autorclosed successfully during R-N fault. Bhiwani-R-N/20.64/KM/12.76KA. Fault is in Bahadurgarh TL.
							0.69	2.47	0.00	9.03	4.92	99.66	
CKT	400kV CHITTORGARH-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV CHITTORGARH-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-GREATER NOIDA(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-MANDOLA-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-MANDOLA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-MAHRANIBAGH	LNCC	24/05/22	03:01:00	24/05/22	15:53:00	0.54	0.00	0.00	12.87	0.00		* Line tripped on R-N fault during heavy windstorm in the area. Dadri-13.60KM, Kota-13.6KM/16.69KA.* 24.05.2022 17:08:27 INDIA Bhupendra Garg (60011877)* Line tripped on R-N fault during heavy windstorm in the area. Dadri-13.6KM/16.69KA,Maharanibagh-28.9km/10.4kA.
CKT	400kV DADRI(NTPC)-MAHRANIBAGH	GOVC	23/05/22	08:01:00	23/05/22	11:20:00	0.14	0.00	0.00	3.32	0.00		* Tripped on over voltage protection operation due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.68	0.00	0.00	16.19	0.00	100.00	
CKT	400kV DADRI(NTPC)-MURADNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	OSPD	17/05/22	09:05:00	17/05/22	18:37:00	0.40	0.00	0.00	0.00	9.53		* Shutdown by BBMB to attend critical hot spots at Panipat end.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	23/05/22	04:59:00	23/05/22	14:02:00	0.38	0.00	0.00	0.00	9.05		* Hand tripped on Voltage Regulation. Dadri-429 KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LNCC	29/05/22	17:49:00	29/05/22	18:49:00	0.04	0.00	0.00	1.00	0.00		* Tripped on R-N fault during windstorm in the area. FLR: Dadri-90.78Km/1.65Ka, Panipat-15.63Km/6.3Ka.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LNCC	04/05/22	17:46:00	04/05/22	21:14:00	0.14	0.00	0.00	3.47	0.00		* Tripped on R-N fault due to heavy wind storm .FLR-Dadri-81.30km/3.95kA/Z-1,Panipat-21.20km/6.85kA.Fault is in Sonipat TL.During patrolling found the Forest tree (Eucalyptus) was felled towards the line near to conductor at location 175 to 174 span
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LNCC	04/05/22	16:53:00	04/05/22	17:41:00	0.03	0.00	0.00	0.80	0.00		* Tripped on R-N fault due to heavy wind storm .FLR-Dadri-82.16km/3.817kA= .Panipat-20.89km/6.81kA.Fault is in Sonipat TL.During patrolling found the Forest tree (Eucalyptus) was felled towards the line near to conductor at location 175 to 174 span
							0.99	0.00	0.00	5.27	18.58	100.00	
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LART	30/05/22	18:07:00	30/05/22	18:07:00	0.00	0.00	0.00	0.00	0.00		* Auto-reclose on Y-N fault due to Bad weather in the area. FLR: Dadri-68.32Km/4.57Ka, Panipat-44.0Km/4.6Ka. ***
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	OSPT	16/05/22	09:26:00	16/05/22	20:00:00	0.44	10.57	0.00	0.00	0.00		* Shutdown for summer maintenance work e.g. tightening of loose conductor VD, Corona ring,Arcing Horn, Jumper Bolts, Polluted insulator cleaning etc.

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LART	13/05/22	23:53:00	13/05/22	23:53:00	0.00	0.00	0.00	0.00	0.00		* Line A/R on Y-N fault.FLR- Dadri-39.82/6.49kA.panipat-72.75km/3.32kA.Fault is in Dadri TL. In during A/R Tie CB X-7 at Panipat(BBMB) tripped <-> Line remains charged through M/CB. T/ CB X-7 charged at 0035 hrs/14.05.2022
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRTD	23/05/22	23:51:00	24/05/22	09:40:00	0.41	0.00	0.00	0.00	9.82		* Hand tripped on Voltage Regulation. Dadri-429 KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LART	04/05/22	18:33:00	04/05/22	18:33:00	0.00	0.00	0.00	0.00	0.00		* A/R on R-N fault .FLR-Dadri-49.56km/5.88kA/Z-1,Panipat-62.13km/3.77kA. Fault is in Meerut TL.
							0.85	10.57	0.00	0.00	9.82	98.58	
CKT	400kV DEHRADUN-ABDULLAPUR-1	OSFT	11/05/22	16:12:00	11/05/22	18:26:00	0.09	2.23	0.00	0.00	0.00		* Forced S/D to attend opened OPGW suspension clamp on tower peak at Loc no-169.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LART	31/05/22	07:00:00	31/05/22	07:00:00	0.00	0.00	0.00	0.00	0.00		* Line autoreclose during B-N fault. Dehradun-74.6KM/4.39KA, Abdullahpur-15.39KM/10.6KA. Fault under Dehradun TL jurisdiction.
							0.09	2.23	0.00	0.00	0.00	99.70	
CKT	400kV DEHRADUN-ABDULLAPUR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-DWARKA-BAMNAULI-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV FATEHABAD-HISAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GR.NOIDA(UPPTCL)-NAVADA(HVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GURGAON-BALLABHGARH	LART	30/05/22	17:04:00	30/05/22	17:04:00	0.00	0.00	0.00	0.00	0.00		* Auto-reclose on R-N fault due to Bad weather in the area. FLR: Gurgaon-31.5Km/9.0Ka, Ballabgarh-3.62Km/19.86Ka.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GURGAON-BHIWADI	OSFT	21/05/22	19:17:00	21/05/22	23:17:00	0.17	4.00	0.00	0.00	0.00		* Forced Shutdown for IR value measurement of B-phase LA at Bhiwadi end.
							0.17	4.00	0.00	0.00	0.00	99.46	
CKT	400kV GURGAON-SOHNA(STERLITE)-1	LNCC	30/05/22	16:22:00	30/05/22	18:15:00	0.08	0.00	0.00	1.88	0.00		* Tripped on R-N fault due to localized windstorm in the area. FLR: Gurgaon-20Ka/2.5Km, Sohna Road-5.0Km/12.0Ka.
							0.08	0.00	0.00	1.88	0.00	100.00	
CKT	400kV GURGAON-SOHNA(STERLITE)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HAPUR(UPPTCL)-MURADNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HISAR-BHIWADI-1	LART	23/05/22	21:59:00	23/05/22	21:59:00	0.00	0.00	0.00	0.00	0.00		* Line autoreclsoe on B-N fault during heavy windstorm in the area. FLR: Hissar- 155.54KM/3.40KA, Bhiwadi- 29.31KM/14.21KA.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HISAR-BHIWADI-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HISAR-BHIWADI-3			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HISAR-BHIWANI(BBMB)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-HISAR-BHIWANI-1	LCSD	14/05/22	09:18:00	16/05/22	00:22:00	1.63	0.00	0.00	0.00	39.07		* Shutdown for line bypassing work under SS-34 at Hisar station <-> to carry out end to end testing of Carrier/DT signals. Approved in 39th standing committee on power system planning of northern region dated 29-30th May,2017 at serial number 26.11(b)(iv).
							1.63	0.00	0.00	0.00	39.07	100.00	
CKT	400KV-HISAR-BHIWANI-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-HISAR-BHIWANI-3			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV JAIPUR SOUTH-KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV JAIPUR SOUTH-RAPPD(NPCIL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV JHATIKARA-BAMNOLI(DTL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV JHATIKARA-BAMNOLI(DTL)-2	GOVC	23/05/22	07:09:00	23/05/22	10:59:00	0.16	0.00	0.00	3.83	0.00		* Tripped on over voltage protection operation at Bamnoli end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.16	0.00	0.00	3.83	0.00	100.00	
CKT	400KV-JHATIKARA-DWARKA-CKT1	GOVC	23/05/22	05:45:00	23/05/22	11:52:00	0.26	0.00	0.00	6.12	0.00		* Tripped on earth fault during heavy windstorm in the area.Tripped on Over voltage protection operated at Jhatikara end due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.26	0.00	0.00	6.12	0.00	100.00	
CKT	400kV JHATIKARA-MUNDKA(DTL)-1	OSFD	20/05/22	06:13:00	20/05/22	09:59:00	0.16	0.00	0.00	0.00	3.77		* Froced shutdown by DTL to attend hotspot in R-phase line isolator clamp at Mundka (DTL) end.
							0.16	0.00	0.00	0.00	3.77	100.00	
CKT	400kV JHATIKARA-MUNDKA(DTL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV KAITHAL-HISAR-1	OSPT	05/05/22	08:33:00	05/05/22	19:04:00	0.44	10.52	0.00	0.00	0.00	0.00	* Shutdown for summer line maintenace work.
CKT	400kV KAITHAL-HISAR-1	OSFT	14/05/22	20:56:00	14/05/22	23:15:00	0.10	2.32	0.00	0.00	0.00	0.00	* Forced Shutdown to attend hot spot of 196 degree celsius on line side BPI T-connector at Hissar end.
CKT	400kV KAITHAL-HISAR-1	LART	23/05/22	19:06:00	23/05/22	19:06:00	0.00	0.00	0.00	0.00	0.00	0.00	* Line autoreclsoe on Y-N fault during heavy windstorm in the area. FLR: Hissar- 75.619KM/5.96KA.
							0.54	12.84	0.00	0.00	0.00	98.28	
CKT	400kV KAITHAL-HISAR-2	OSFT	30/05/22	11:44:00	30/05/22	15:33:00	0.16	3.82	0.00	0.00	0.00	0.00	* Forced Shutdown for removal of hanging bird guard at location 573.
CKT	400kV KAITHAL-HISAR-2	LART	29/05/22	10:14:00	29/05/22	10:14:00	0.00	0.00	0.00	0.00	0.00	0.00	* Auto reclose twice at 1014 hrs and 1024 hrs on B-N Fault. FLR: Hissar-38.9Km/8.9Ka, Kaithal-69.8Km/5.0Ka. Fault under Hissar TL juris= sdiction.
CKT	400kV KAITHAL-HISAR-2	OSPT	04/05/22	08:42:00	04/05/22	19:49:00	0.46	11.12	0.00	0.00	0.00	0.00	* S/D for summer line maintenace work.
							0.62	14.94	0.00	0.00	0.00	97.99	
CKT	400kV KANKROLI-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV KANKROLI-JODHPUR(RRVPNL)	OSFT	26/05/22	16:41:00	26/05/22	21:15:00	0.19	4.57	0.00	0.00	0.00	0.00	* Forced shutdown to attend Hot spot in B Phase of 40189B isolator (Line side isolator of Kank-Jodhpur line main bay) at Kankroli SS.
							0.19	4.57	0.00	0.00	0.00	99.39	
CKT	400kV KOTA-BEAWAR(SREE CEMENT)	OMSU	07/05/22	13:22:00	07/05/22	14:58:00	0.07	0.00	1.60	0.00	0.00	0.00	* Line tripped from Beawar end and autoreclose from Kota end during B-N fault in Shree Cement portion of the line. FLR: Kota- B-N/2.2KA/207.2KM= <(><->>Beawar- B-N/196.6KM.
CKT	400kV KOTA-BEAWAR(SREE CEMENT)	OMSU	02/05/22	15:04:00	02/05/22	16:01:00	0.04	0.00	0.95	0.00	0.00	0.00	* Tripped during B-N fault in Shree cement portion of the line. FLR-Kota-207.2KM/2.26KA/Zone-3; Shree Cement-B-N/18KM.
CKT	400kV KOTA-BEAWAR(SREE CEMENT)	OMSU	02/05/22	16:19:00	02/05/22	19:19:00	0.13	0.00	3.00	0.00	0.00	0.00	* Tripped only at Shree cement <(><->> line remain charged from Kota end during B-N fault in Shree Cement portion of the line. FLR-Kot= a-207.2KM/2.26KA; Shree Cement-B-N/18KM/4.41KA.
CKT	400kV KOTA-BEAWAR(SREE CEMENT)	LNCC	24/05/22	01:52:00	24/05/22	02:48:00	0.04	0.00	0.00	0.93	0.00	0.00	* Line tripped on B-N fault during heavy windstorm in the area. Shree Cement- 71.94KM, Kota-149.4KA/3.7KA.
CKT	400kV KOTA-BEAWAR(SREE CEMENT)	OSFD	13/05/22	10:53:00	13/05/22	20:03:00	0.38	0.00	0.00	0.00	9.17	0.00	* S/D by Beawar to attend arcing on B-phase line insulator at Tower No-26.
							0.66	0.00	5.55	0.93	9.17	100.00	
CKT	400kV KOTA-MERTA(RRVPNL)	OSFT	10/05/22	10:29:00	10/05/22	14:55:00	0.19	4.43	0.00	0.00	0.00	0.00	* Forced shutdown to attend hot spot on Line Isolator 89L at Kota end.
							0.19	4.43	0.00	0.00	0.00	99.40	
CKT	400kV KOTPUTLI-BASSI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	10/05/22	11:01:00	10/05/22	19:00:00	0.33	0.00	0.00	0.00	0.00	7.98	* Shutdown by THDC for testing of relays of Bus Bar protection, Line protections, replacement of leakage current monitor of Surge Arrester and maintenance of Bay equipment at their KHEP end
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	12/05/22	10:26:00	12/05/22	15:15:00	0.20	0.00	0.00	0.00	0.00	4.82	* Shutdown by THDC for testing of relays of Bus Bar protection, Line protections, replacement of leakage current monitor of Surge Arrester and maintenance of Bay equipment at their KHEP end
							0.53	0.00	0.00	0.00	0.00	12.80	100.00
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-2	OSPD	11/05/22	10:11:00	11/05/22	13:51:00	0.15	0.00	0.00	0.00	0.00	3.67	* S/D by THDC for testing of relays of Bus Bar protection, Line protections, replacement of leakage current monitor of Surge Arrester and maintenance of Bay equipment
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-2	OSPD	12/05/22	10:26:00	12/05/22	15:20:00	0.20	0.00	0.00	0.00	0.00	4.90	* Shutdown by THDC for testing of relays of Bus Bar protection, Line protections, replacement of leakage current monitor of Surge Arrester and maintenance of Bay equipment at their KHEP end
							0.35	0.00	0.00	0.00	0.00	8.57	100.00
CKT	400kV KOTESHWAR-TEHRI(THDC)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400kV KOTESHWAR-TEHRI(THDC)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400kV MANESAR-SOHNA(STERLITE)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400kV MANESAR-SOHNA(STERLITE)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400kV MAHARANIBAGH-BALLABHAGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400KV-MBAGH-BAWANA-AC-CKT1	GOVC	23/05/22	08:01:00	23/05/22	11:15:00	0.14	0.00	0.00	3.23	0.00	0.00	* Tripped on over voltage protection operation only from Maharaniabagh end.
							0.14	0.00	0.00	3.23	0.00	0.00	100.00
CKT	400KV-MBAGH-BAWANA-AC-CKT2	LART	30/05/22	16:36:00	30/05/22	16:36:00	0.00	0.00	0.00	0.00	0.00	0.00	* Auto-reclose on R-N fault due to Bad weather in the area. FLR: Maharaniabagh-0.1Km/27.0Ka.
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	400KV-MBAGH-MANDOLA-AC-CKT1	LNCC	21/05/22	19:28:00	21/05/22	20:40:00	0.05	0.00	0.00	1.20	0.00	0.00	* Tripped on R-N fault during localized windstorm.
CKT	400KV-MBAGH-MANDOLA-AC-CKT1	LEFT	04/05/22	18:12:00	04/05/22	21:00:00	0.12	2.80	0.00	0.00	0.00	0.00	* Tripped on R-N fault during localized windstorm in the area.
CKT	400KV-MBAGH-MANDOLA-AC-CKT1	OSFT	07/05/22	11:14:00	07/05/22	17:49:00	0.27	6.58	0.00	0.00	0.00	0.00	* Forced SHUTDOWN to remove kite thread at location 52 to 68.
CKT	400KV-MBAGH-MANDOLA-AC-CKT1	GOVC	23/05/22	08:01:00	23/05/22	10:59:00	0.12	0.00	0.00	2.97	0.00	0.00	* Tripped on over voltage protection operation only from Maharaniabagh end.
CKT	400KV-MBAGH-MANDOLA-AC-CKT1	LNCC	21/05/22	03:00:00	21/05/22	03:44:00	0.03	0.00	0.00	0.73	0.00	0.00	* Tripped on R-N fault during localized windstorm.
							0.59	9.38	0.00	4.90	0.00	98.73	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400KV-MBAGH-MANDOLA-AC-CKT2	OMSU	23/05/22	14:50:00	23/05/22	17:53:00	0.13	0.00	3.05	0.00	0.00	0.00	* Line tripped on Y-B fault caused due to kite thread at location 37-38.
CKT	400KV-MBAGH-MANDOLA-AC-CKT2	LART	30/05/22	16:36:00	30/05/22	16:36:00	0.00	0.00	0.00	0.00	0.00	0.00	* Auto-reclose on R-N fault due to Bad weather in the area. FLR: Mandola 4.82Ka/34.0Km, Maharaniabagh-0.53Km/31.9Ka.
CKT	400KV-MBAGH-MANDOLA-AC-CKT2	LNCC	01/05/22	18:34:00	01/05/22	21:23:00	0.12	0.00	0.00	2.82	0.00	100.00	* Tripped on R-N fault during localized windstorm in the area.
							0.25	0.00	3.05	2.82	0.00	100.00	
CKT	400kV HAPUR(UPPTCL)-MORADABAD(UPPTCL)	LCSD	20/05/22	11:54:00	31/05/22	23:59:59	11.50	0.00	0.00	0.00	276.10	100.00	* S/D for Line Diversion work by NHA1. S/D by 04.06.2022
							11.50	0.00	0.00	0.00	276.10	100.00	
CKT	400kV MEERUT-MANDOLA-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MANDOLA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MANDOLA-3	LART	04/05/22	18:54:00	04/05/22	18:54:00	0.00	0.00	0.00	0.00	0.00	0.00	* A/R on B-N fault.FLR-Meerut-26.74km/12.77kA,Mandola-71.72km/4.99kA. Fault is in Meerut TL.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MANDOLA-4			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MUZAFFARNAGAR(UPPTCL)	OSFD	24/05/22	11:43:00	24/05/22	14:07:00	0.10	0.00	0.00	0.00	2.40	100.00	* Line hand tripped at Muzzafarnagar end due to sparking in their Bus-1 isolator.
							0.10	0.00	0.00	0.00	2.40	100.00	
CKT	400kV NEEMRANA-BABA(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV NEEMRANA-MANESAR-1	LNCC	27/05/22	15:37:00	27/05/22	17:59:00	0.10	0.00	0.00	2.37	0.00	0.00	* Tripped due to bad weather/storm on B-N fault.FLR-Neemrana-20.41km/11.03kA,Manesar-35.39km/8.87kA.Fault is in Neemrana TL.
CKT	400kV NEEMRANA-MANESAR-1	LNCC	23/05/22	05:48:00	23/05/22	15:50:00	0.42	0.00	0.00	10.03	0.00	0.00	* Tripped on B-N fault during heavy windstorm in the area. FLR: Manesar-39.52Km, Neemrana-20.0Km.
							0.52	0.00	0.00	12.40	0.00	100.00	
CKT	400kV NEEMRANA-MANESAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV NEEMRANA-SIKAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RAPP(NPCIL)-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RAPP(NPCIL)-KANKROLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RAPP(NPCIL)-KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RAPPD(NPCIL)-KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-RAPPD-KOTA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	04/05/22	18:55:00	05/05/22	09:22:00	0.60	0.00	0.00	0.00	14.45	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	09/05/22	18:16:00	10/05/22	05:59:00	0.49	0.00	0.00	0.00	11.72	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	05/05/22	16:21:00	06/05/22	07:41:00	0.64	0.00	0.00	0.00	15.33	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	10/05/22	17:07:00	11/05/22	06:13:00	0.55	0.00	0.00	0.00	13.10	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	11/05/22	18:03:00	12/05/22	09:24:00	0.64	0.00	0.00	0.00	15.35	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	SVRD	03/05/22	18:14:00	04/05/22	09:50:00	0.65	0.00	0.00	0.00	15.60	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	02/05/22	19:12:00	03/05/22	05:54:00	0.45	0.00	0.00	0.00	10.70	0.00	* Hand tripped on Voltage Regulation. Sikar-419 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	01/05/22	00:00:01	01/05/22	09:12:00	0.38	0.00	0.00	0.00	9.20	0.00	* Hand tripped on Voltage Regulation. Sikar-400 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	07/05/22	17:17:00	08/05/22	05:41:00	0.52	0.00	0.00	0.00	12.40	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	06/05/22	19:05:00	07/05/22	09:40:00	0.61	0.00	0.00	0.00	14.58	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	08/05/22	16:57:00	09/05/22	08:54:00	0.67	0.00	0.00	0.00	15.95	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	12/05/22	18:06:00	13/05/22	08:56:00	0.62	0.00	0.00	0.00	14.83	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	22/05/22	18:41:00	23/05/22	11:46:00	0.71	0.00	0.00	0.00	17.08	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	30/05/22	18:18:00	31/05/22	05:31:00	0.47	0.00	0.00	0.00	11.22	0.00	* Hand tripped on Voltage Regulation. Sikar-425 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	01/05/22	16:15:00	02/05/22	08:44:00	0.69	0.00	0.00	0.00	16.48	0.00	* Hand tripped on voltage regulation.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	13/05/22	18:41:00	14/05/22	10:11:00	0.65	0.00	0.00	0.00	15.50	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	18/05/22	17:16:00	19/05/22	05:23:00	0.51	0.00	0.00	0.00	12.12	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	21/05/22	18:34:00	22/05/22	05:56:00	0.47	0.00	0.00	0.00	11.37	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	23/05/22	22:23:00	24/05/22	08:43:00	0.43	0.00	0.00	0.00	10.33	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	19/05/22	17:57:00	20/05/22	05:30:00	0.48	0.00	0.00	0.00	11.55	0.00	* Hand tripped on Voltage Regulation. Sikar-418 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	25/05/22	17:51:00	26/05/22	07:24:00	0.57	0.00	0.00	0.00	13.55	0.00	* Hand tripped on Voltage Regulation. Sikar-422 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	17/05/22	18:14:00	18/05/22	06:05:00	0.49	0.00	0.00	0.00	11.85	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	14/05/22	17:23:00	15/05/22	09:27:00	0.67	0.00	0.00	0.00	16.07	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	16/05/22	17:42:00	17/05/22	10:41:00	0.71	0.00	0.00	0.00	16.98	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	15/05/22	17:14:00	16/05/22	09:26:00	0.68	0.00	0.00	0.00	16.20	0.00	* Hand tripped on Voltage Regulation. Sikar-421 KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LNCC	28/05/22	21:31:00	29/05/22	00:46:00	0.14	0.00	0.00	3.25	0.00	0.00	* Tripped due to bad Weather /wind storm on R-N fault.Sikar-M-1-76.46km/6.06kA,M-2-58.71km/6kA.Rtangarh-Y-N fault=6.9km/11.35kA..Fault under Sikar TL
							14.49	0.00	0.00	3.25	343.51	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LNCC	28/05/22	21:31:00	29/05/22	00:18:00	0.12	0.00	0.00	2.78	0.00		* Tripped due to bad Weather /wind storm on B-N fault.Sikar-M-1-67.62km/5.6kA,M-2-67.8km/5.6kA.Rtangarh-R-N fault=6.9km/9.19kA..Fault under Sikar TL
							0.12	0.00	0.00	2.78	0.00	100.00	
CKT	400kV ROORKEE-DEHRADUN	LART	23/05/22	02:33:00	23/05/22	02:33:00	0.00	0.00	0.00	0.00	0.00		* Line Auto reclose on B-N Fault during heavy windstorm in the area. FLR: Dehradun-31.65Km/9.06Ka, Roorkee-67.04Km/6.707Ka. Fault under Dehradun TL jurisdiction.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV ROORKEE-KASHIPUR(PTCUL)-1	OSPT	18/05/22	07:19:00	18/05/22	10:34:00	0.14	3.25	0.00	0.00	0.00		* Shutdown for checking the B-Phase LA at Kashipur end
							0.14	3.25	0.00	0.00	0.00	99.56	
CKT	400kV ROORKEE-KASHIPUR(PTCUL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV ROORKEE-MUZAFFARNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV ROORKEE-RISHIKESH(PTCUL)	OSPD	21/05/22	10:10:00	21/05/22	18:07:00	0.33	0.00	0.00	0.00	7.95		* Shutdown by PTCUL for maintenance work in their line portion.
							0.33	0.00	0.00	0.00	7.95	100.00	
CKT	400kV ROORKEE-SAHARANPUR-1	GOVC	23/05/22	08:04:00	23/05/22	11:44:00	0.15	0.00	0.00	0.00	3.67	0.00	* Tripped on over voltage protection operation due to sudden rise in voltage caused by load loss during heavy windstorm in the area.
							0.15	0.00	0.00	0.00	3.67	0.00	
CKT	400kV SIKAR-BASSI-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV SIKAR-BASSI-2	OMSU	08/05/22	18:15:00	08/05/22	21:21:00	0.13	0.00	3.10	0.00	0.00		* Line tripped on Y-B fault. FLR: Bassi- M1-22.88KM/ly-15.329KA, Ib-14.93KA, M2- 22.8KM/ly-15.24KA,Ib-15.10KA. Sikar- M1-135.20KM/ly-3=4.7KA,Ib-3.57KA, M2- 135.10KM/ly-3.44KA, Ib-3.53KA. Fault under Bassi TL jurisdiction. Nothing found abnormal during emergency patrolling.* 03.06.2022 01:34:28 INDIA Bhupendra Garg (60011877)* Kite with Thread found hanging at TN 410-411 B/W Top and Middle phase(Y-B phase)
							0.13	0.00	3.10	0.00	0.00	100.00	
CKT	400kV TUGHLAKABAD-BALLABHGARH-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV TUGHLAKABAD-BALLABHGARH-2	LART	30/05/22	16:49:00	30/05/22	16:49:00	0.00	0.00	0.00	0.00	0.00		* Auto-reclose on R-N fault due to Bad weather in the area. FLR: Ballabgarh-15.8Km/9.0Ka, Tughlakabad-22.7Km/11.60Ka.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV ZERDA(GETCO)-BHINMAL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV ZERDA(GETCO)-KANKROLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765kV AGRA-JHATIKARA	LNCC	01/05/22	17:35:00	01/05/22	18:41:00	0.05	0.00	0.00	1.10	0.00		* Line Auto-reclose and then tripped on Y-N fault during heavy localized windstorm in the area. FLR: Jhatikara-247.7Km/3.3Ka, Agra-0.8Km/23.0Ka.
							0.05	0.00	0.00	1.10	0.00	100.00	
CKT	765kV AJMER-BHADLA2-1	SVRD	03/05/22	17:08:00	04/05/22	09:26:00	0.68	0.00	0.00	0.00	16.30		* Hand tripped on Voltage Regulation. Ajmer-803 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	08/05/22	16:55:00	09/05/22	10:08:00	0.72	0.00	0.00	0.00	17.22		* Hand tripped on Voltage Regulation. Ajmer-805 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	10/05/22	17:27:00	11/05/22	05:04:00	0.48	0.00	0.00	0.00	11.62		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-1	GGDC	02/05/22	11:06:00	02/05/22	12:27:00	0.06	0.00	0.00	1.35	0.00		* Tripped on Over voltage protection caused by voltage disturbance due to loss of Renewable Power Generation of 1000MW approx. post tripping of two nos 500MVA ICTs at Fatehagarh(Adani) on thermal overloading.
CKT	765kV AJMER-BHADLA2-1	LVRD	18/05/22	17:09:00	19/05/22	05:54:00	0.53	0.00	0.00	0.00	12.75		* Hand tripped on Voltage Regulation. Ajmer-804 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	04/05/22	16:30:00	05/05/22	09:36:00	0.71	0.00	0.00	0.00	17.10		* Hand tripped on Voltage Regulation. Ajmer-803 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	06/05/22	17:05:00	07/05/22	09:51:00	0.70	0.00	0.00	0.00	16.77		* Hand tripped on Voltage Regulation. Ajmer-803 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	24/05/22	18:17:00	25/05/22	09:12:00	0.62	0.00	0.00	0.00	14.92		* Hand tripped on Voltage Regulation. Ajmer-800 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	20/05/22	17:32:00	21/05/22	09:29:00	0.67	0.00	0.00	0.00	15.95		* Hand tripped on Voltage Regulation. Ajmer-805 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	28/05/22	17:17:00	29/05/22	09:53:00	0.69	0.00	0.00	0.00	16.60		* Hand tripped on Voltage Regulation. Ajmer-800 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	16/05/22	17:00:00	17/05/22	10:09:00	0.72	0.00	0.00	0.00	17.15		* Hand tripped on Voltage Regulation. Ajmer-804 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	23/05/22	22:14:00	24/05/22	08:47:00	0.44	0.00	0.00	0.00	10.55		* Hand tripped on Voltage Regulation. Ajmer-802 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	26/05/22	17:40:00	27/05/22	08:53:00	0.63	0.00	0.00	0.00	15.22		* Hand tripped on Voltage Regulation. Ajmer-800 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	12/05/22	17:39:00	13/05/22	09:53:00	0.68	0.00	0.00	0.00	16.23		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	01/05/22	00:00:01	01/05/22	09:34:00	0.40	0.00	0.00	0.00	9.57		* Hand tripped on Voltage Regulation. Ajmer-799 KV.
							8.73	0.00	0.00	1.35	207.95	100.00	
CKT	765kV AJMER-BHADLA2-2	LVRD	07/05/22	17:48:00	08/05/22	09:15:00	0.64	0.00	0.00	0.00	15.45		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	11/05/22	18:09:00	12/05/22	06:01:00	0.49	0.00	0.00	0.00	11.87		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	01/05/22	17:10:00	02/05/22	08:17:00	0.63	0.00	0.00	0.00	15.12		* Hand tripped on Voltage Regulation. Ajmer-799 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	05/05/22	16:44:00	06/05/22	09:26:00	0.70	0.00	0.00	0.00	16.70		* Hand tripped on Voltage Regulation. Ajmer-803 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	09/05/22	16:57:00	10/05/22	09:14:00	0.68	0.00	0.00	0.00	16.28		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	02/05/22	17:40:00	03/05/22	09:41:00	0.67	0.00	0.00	0.00	16.02		* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	21/05/22	17:11:00	22/05/22	09:38:00	0.69	0.00	0.00	0.00	16.45		* Hand tripped on Voltage Regulation. Ajmer-805 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	29/05/22	18:05:00	30/05/22	08:23:00	0.60	0.00	0.00	0.00	14.30		* Hand tripped on Voltage Regulation. Ajmer-800 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	17/05/22	17:09:00	18/05/22	09:38:00	0.69	0.00	0.00	0.00	16.48		* Hand tripped on Voltage Regulation. Ajmer-793 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	25/05/22	17:26:00	26/05/22	09:30:00	0.67	0.00	0.00	0.00	16.07		* Hand tripped on Voltage Regulation. Ajmer-800 KV.

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE TO Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	765kV AJMER-BHADLA2-2	LVRD	13/05/22	16:06:00	14/05/22	09:44:00	0.74	0.00	0.00	0.00	0.00	17.63	* Hand tripped on Voltage Regulation. Aimer-801 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	19/05/22	17:27:00	20/05/22	05:47:00	0.51	0.00	0.00	0.00	0.00	12.33	* Hand tripped on Voltage Regulation. Aimer-805 KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	27/05/22	17:27:00	28/05/22	09:27:00	0.67	0.00	0.00	0.00	0.00	16.00	* Hand tripped on Voltage Regulation. Aimer-800 KV.
							8.38	0.00	0.00	0.00	0.00	200.70	100.00
CKT	765kV BHADLA-BIKANER-1	LNCC	20/05/22	12:31:00	20/05/22	19:25:00	0.29	0.00	0.00	0.00	6.90	0.00	* Tripped on B-N fault due to heavy wind storm <->&<-> B-phase conductor snapped at Bikaner end. Forced S/D taken <->&<-> same has been rectified.
							0.29	0.00	0.00	0.00	6.90	0.00	100.00
CKT	765kV BHADLA-BIKANER-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LART	28/05/22	22:59:00	28/05/22	22:59:00	0.00	0.00	0.00	0.00	0.00	0.00	* A/R due to bad Weather /wind storm on B-N fault.Bhiwani-75.62/7.13kA= ,Fault is in Sikar TL.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	22/05/22	19:01:00	24/05/22	08:04:00	1.54	0.00	0.00	0.00	0.00	37.05	* Hand tripped on Voltage Regulation. Bhiwani-798 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LCSD	24/05/22	08:04:00	24/05/22	21:01:00	0.54	0.00	0.00	0.00	0.00	12.95	* Shutdown for Diamond Crossing with under construction line 400 kV D/C Mohindergarh-Bhiwani TL Location no. 22-I, 22-IA, 22-II,22-IIA.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	24/05/22	21:01:00	26/05/22	09:32:00	1.52	0.00	0.00	0.00	0.00	36.52	* Shutdown for Diamond Crossing with under construction line 400 kV D/C Mohindergarh-Bhiwani TL Location no. 22-I, 22-IA, 22-II,22-IIA.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	15/05/22	17:39:00	16/05/22	09:59:00	0.68	0.00	0.00	0.00	0.00	16.33	* Hand tripped on Voltage Regulation. BWN-800 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	22/05/22	19:01:00	24/05/22	08:04:00	1.54	0.00	0.00	0.00	0.00	37.05	* Hand tripped on Voltage Regulation. Bhiwani-798 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	08/05/22	16:53:00	09/05/22	11:11:00	0.76	0.00	0.00	0.00	0.00	18.30	* Hand tripped on Voltage Regulation. Bhiwani-796 KV.
							6.58	0.00	0.00	0.00	0.00	158.20	100.00
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	01/05/22	00:00:01	01/05/22	10:55:00	0.46	0.00	0.00	0.00	0.00	10.92	* Hand tripped on Voltage Regulation. Phagi-805 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	07/05/22	18:24:00	08/05/22	10:53:00	0.69	0.00	0.00	0.00	0.00	16.48	* Hand tripped on Voltage Regulation. Bhiwani-799 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	04/05/22	17:14:00	05/05/22	10:52:00	0.74	0.00	0.00	0.00	0.00	17.63	* Hand tripped on Voltage Regulation. Bhiwani-798 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	SVRD	03/05/22	18:11:00	04/05/22	09:58:00	0.66	0.00	0.00	0.00	0.00	15.78	* Hand tripped on Voltage Regulation. Bhiwani-798 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	10/05/22	21:56:00	11/05/22	09:25:00	0.48	0.00	0.00	0.00	0.00	11.48	* Hand tripped on Voltage Regulation. Bhiwani-796 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	01/05/22	17:19:00	02/05/22	10:32:00	0.72	0.00	0.00	0.00	0.00	17.22	* Hand tripped on Voltage Regulation. Bhiwani-795 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	30/05/22	16:52:00	31/05/22	10:37:00	0.74	0.00	0.00	0.00	0.00	17.75	* Hand tripped on Voltage Regulation. Bhiwani-800 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	29/05/22	18:16:00	30/05/22	10:31:00	0.68	0.00	0.00	0.00	0.00	16.25	* Hand tripped on Voltage Regulation. Bhiwani-800 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LCSD	20/05/22	07:41:00	20/05/22	20:46:00	0.55	0.00	0.00	0.00	0.00	13.08	* S/D for Diamond Crossing with under construction line 400 kV D/C Mohindergarh-Bhiwani TL Location no. 22-I, 22-IA, 22-II,22-IIA
							5.72	0.00	0.00	0.00	0.00	136.59	100.00
CKT	765kV BHIWANI-MEERUT	LVRD	04/05/22	18:31:00	05/05/22	09:38:00	0.63	0.00	0.00	0.00	0.00	15.12	* Hand tripped on Voltage Regulation.
CKT	765kV BHIWANI-MEERUT	LVRD	23/05/22	08:42:00	25/05/22	07:05:00	1.93	0.00	0.00	0.00	0.00	46.38	* Hand tripped on Voltage Regulation. Meerut-805 KV.
							2.56	0.00	0.00	0.00	0.00	61.50	100.00
CKT	765kV BHIWANI-MOGA	OSFT	28/05/22	16:57:00	28/05/22	18:49:00	0.08	1.87	0.00	0.00	0.00	0.00	* Forced S/D by NR-II for remove kite thread from middle phase conductor at Tower No-664.
CKT	765kV BHIWANI-MOGA	LART	28/05/22	08:15:00	28/05/22	08:15:00	0.00	0.00	0.00	0.00	0.00	0.00	* A/R on R-N fault.FLR-Bhiwani-237.44km/3.45kA.Moga-22.6km/7.5kA. Kite thread found during patrolling .Fault is in NR-II portion.
							0.08	1.87	0.00	0.00	0.00	0.00	99.75
CKT	765KV-BIKANER-BHADLA2-ACL-CKT1	GGDC	02/05/22	11:06:00	02/05/22	11:20:00	0.01	0.00	0.00	0.23	0.00	0.00	* Tripped on Over voltage protection caused by voltage disturbance due to loss of Renewable Power Generation of 1000MW approx. post tripping of two nos 500MVA ICTs at Fatehagarh(Adani) on thermal overloading.
							0.01	0.00	0.00	0.23	0.00	0.00	100.00
CKT	765KV-BIKANER-BHADLA2-ACL-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765kV BIKANER-MOGA-1	LVRD	15/05/22	17:12:00	16/05/22	08:58:00	0.66	0.00	0.00	0.00	0.00	15.77	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	19/05/22	17:54:00	20/05/22	08:49:00	0.62	0.00	0.00	0.00	0.00	14.92	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	31/05/22	17:27:00	31/05/22	23:59:59	0.27	0.00	0.00	0.00	0.00	6.55	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	25/05/22	18:18:00	26/05/22	07:45:00	0.56	0.00	0.00	0.00	0.00	13.45	* Hand tripped on Voltage Regulation. Bikaner-796 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	13/05/22	17:33:00	14/05/22	09:09:00	0.65	0.00	0.00	0.00	0.00	15.60	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	28/05/22	21:22:00	29/05/22	08:49:00	0.48	0.00	0.00	0.00	0.00	11.45	* Hand tripped on Voltage Regulation. Bikaner-796 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	17/05/22	18:04:00	18/05/22	09:20:00	0.64	0.00	0.00	0.00	0.00	15.27	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	27/05/22	17:26:00	27/05/22	18:58:00	0.06	0.00	0.00	0.00	0.00	1.53	* Hand tripped on Voltage Regulation. Bikaner-796 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	23/05/22	18:36:00	24/05/22	05:49:00	0.47	0.00	0.00	0.00	0.00	11.22	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	21/05/22	17:20:00	22/05/22	05:17:00	0.50	0.00	0.00	0.00	0.00	11.95	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	11/05/22	17:29:00	12/05/22	09:26:00	0.67	0.00	0.00	0.00	0.00	15.95	* Hand tripped on Voltage Regulation. Bikaner-790 KV.
CKT	765kV BIKANER-MOGA-1	OSPT	02/05/22	06:42:00	02/05/22	20:18:00	0.57	13.60	0.00	0.00	0.00	0.00	* Shutdown by NR-2 for replacement work of two numbers of damaged earth wire peak at location 986 and location 988.
CKT	765kV BIKANER-MOGA-1	LVRD	07/05/22	17:19:00	08/05/22	08:47:00	0.64	0.00	0.00	0.00	0.00	15.47	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-1	OSPT	01/05/22	09:46:00	01/05/22	22:32:00	0.53	12.77	0.00	0.00	0.00	0.00	* Shutdown for replacement work of 2 number damaged earth wire peak at location 986 and location 988.
CKT	765kV BIKANER-MOGA-1	LVRD	09/05/22	17:54:00	10/05/22	09:16:00	0.64	0.00	0.00	0.00	0.00	15.37	* Hand tripped on Voltage Regulation. Bikaner-800 KV.
CKT	765kV BIKANER-MOGA-1	SVRD	03/05/22	16:51:00	04/05/22	08:33:00	0.65	0.00	0.00	0.00	0.00	15.70	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	01/05/22	00:00:01	01/05/22	06:17:00	0.26	0.00	0.00	0.00	0.00	6.28	* Hand tripped on Voltage Regulation. Bikaner-800 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	05/05/22	16:26:00	06/05/22	08:55:00	0.69	0.00	0.00	0.00	0.00	16.48	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
							9.56	26.37	0.00	0.00	0.00	202.96	96.46
CKT	765kV BIKANER-MOGA-2	LVRD	16/05/22	17:47:00	17/05/22	09:10:00	0.64	0.00	0.00	0.00	0.00	15.38	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	20/05/22	17:28:00	21/05/22	09:15:00	0.66	0.00	0.00	0.00	0.00	15.78	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	18/05/22	17:03:00	19/05/22	09:37:00	0.69	0.00	0.00	0.00	0.00	16.57	* Hand tripped on Voltage Regulation. Bikaner-805 KV.

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	765kV BIKANER-MOGA-2	LVRD	30/05/22	18:14:00	31/05/22	05:35:00	0.47	0.00	0.00	0.00	0.00	11.35	* Hand tripped on Voltage Regulation. Bikaner-800 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	22/05/22	17:09:00	23/05/22	10:01:00	0.70	0.00	0.00	0.00	0.00	16.87	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	26/05/22	21:54:00	27/05/22	08:54:00	0.46	0.00	0.00	0.00	0.00	11.00	* Hand tripped on Voltage Regulation. Bikaner-796 KV.
CKT	765kV BIKANER-MOGA-2	LNCC	23/05/22	18:38:00	23/05/22	20:31:00	0.08	0.00	0.00	0.00	1.88	0.00	* Line tripped on Y-N fault during heavy windstorm in the area. FLR:Biakner-8.615km/3.37kA,Moga-330km/2kA.
CKT	765kV BIKANER-MOGA-2	LVRD	14/05/22	17:18:00	15/05/22	08:32:00	0.64	0.00	0.00	0.00	0.00	15.23	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	24/05/22	17:18:00	25/05/22	08:17:00	0.62	0.00	0.00	0.00	0.00	14.98	* Hand tripped on Voltage Regulation. Bikaner-796 KV.
CKT	765kV BIKANER-MOGA-2	LNCC	28/05/22	15:05:00	28/05/22	16:19:00	0.05	0.00	0.00	0.00	1.23	0.00	* Tripped due to bad Weather /wind strom on R-N fault.FLR-Bikaner-355km/2kA,Moga-101.2km/8.2kA. Fault is in NR-II Jurisdiction.
CKT	765kV BIKANER-MOGA-2	LVRD	02/05/22	20:42:00	03/05/22	06:20:00	0.40	0.00	0.00	0.00	0.00	9.63	* Hand tripped on Voltage Regulation. Bikaner-788 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	08/05/22	16:53:00	09/05/22	08:46:00	0.66	0.00	0.00	0.00	0.00	15.88	* Hand tripped on Voltage Regulation. Bikaner-800 KV.
CKT	765kV BIKANER-MOGA-2	OSPT	01/05/22	10:09:00	01/05/22	22:54:00	0.53	12.75	0.00	0.00	0.00	0.00	* Shutdown for replacement work of 2 number damaged earth wire peak at location 986 and location 988.
CKT	765kV BIKANER-MOGA-2	LVRD	10/05/22	17:04:00	11/05/22	09:26:00	0.68	0.00	0.00	0.00	0.00	16.37	* Hand tripped on Voltage Regulation. Bikaner-800 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	01/05/22	22:54:00	02/05/22	06:20:00	0.31	0.00	0.00	0.00	0.00	7.43	* Kept Open on Voltage Regulation. Bikaner-780 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	04/05/22	16:54:00	05/05/22	08:07:00	0.63	0.00	0.00	0.00	0.00	15.22	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-2	OSPT	02/05/22	06:42:00	02/05/22	20:42:00	0.58	14.00	0.00	0.00	0.00	0.00	* Shutdown by NR-2 for replacement work of two numbers of damaged earth wire peak at location 986 and location 988.
CKT	765kV BIKANER-MOGA-2	LVRD	06/05/22	16:32:00	07/05/22	08:31:00	0.67	0.00	0.00	0.00	0.00	15.98	* Hand tripped on Voltage Regulation. Bikaner-798 KV.
CKT	765kV BIKANER-MOGA-2	LVRD	12/05/22	16:21:00	13/05/22	09:04:00	0.70	0.00	0.00	0.00	0.00	16.72	* Hand tripped on Voltage Regulation. Bikaner-795 KV.
							10.17	26.75	0.00		3.11	214.39	96.39
CKT	765kV CHITTORGARH-AJMER-1	LVRD	22/05/22	17:05:00	24/05/22	10:49:00	1.74	0.00	0.00	0.00	0.00	41.73	* Hand tripped on Voltage Regulation. Ajmer-804 KV.
CKT	765kV CHITTORGARH-AJMER-1	LVRD	22/05/22	08:06:00	22/05/22	10:41:00	0.11	0.00	0.00	0.00	0.00	2.58	* Hand Tripped on voltage regulation.
CKT	765kV CHITTORGARH-AJMER-1	LVRD	31/05/22	16:46:00	31/05/22	23:59:59	0.30	0.00	0.00	0.00	0.00	7.23	* Hand tripped on Voltage Regulation. Ajmer-795 KV.
CKT	765kV CHITTORGARH-AJMER-1	LVRD	14/05/22	18:30:00	15/05/22	10:07:00	0.65	0.00	0.00	0.00	0.00	15.62	* Hand tripped on Voltage Regulation. Ajmer-801 KV.
CKT	765kV CHITTORGARH-AJMER-1	LVRD	30/05/22	16:58:00	31/05/22	09:10:00	0.68	0.00	0.00	0.00	0.00	16.20	* Hand tripped on Voltage Regulation. Ajmer-800 KV.
							3.48	0.00	0.00	0.00	0.00	83.36	100.00
CKT	765kV CHITTORGARH-AJMER-2	LVRD	15/05/22	17:07:00	16/05/22	10:06:00	0.71	0.00	0.00	0.00	0.00	16.98	* Hand tripped on Voltage Regulation. Ajmer-804 KV.
CKT	765kV CHITTORGARH-AJMER-2	OSFT	16/05/22	11:29:00	16/05/22	14:09:00	0.11	2.67	0.00	0.00	0.00	0.00	* Forced shutdown to attend and isolate damaged main CB (710) B phase at Chittorgarh end.
							0.82	2.67	0.00	0.00	0.00	16.98	99.64
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT1	GOVC	20/05/22	12:31:00	20/05/22	15:03:00	0.11	0.00	0.00	0.00	2.53	0.00	* Tripped on over voltage protection operated due to voltage fluctuation.
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT1	GGDC	02/05/22	11:06:00	02/05/22	11:50:00	0.03	0.00	0.00	0.00	0.73	0.00	* Tripped on Over voltage protection caused by voltage disturbance due to loss of Renewable Power Generation of 1000MW approx. post tripping of two nos 500MVA ICTs at Fatehagarh(Adani) on thermal overloading.
							0.14	0.00	0.00	0.00	3.26	0.00	100.00
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765KV-FATEHGARH-II-FATEHGARH-I-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765KV-FATEHGARH-II-FATEHGARH-I-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765kV GREATER NOIDA(UPPTCL)-MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765kV JHATIKARA-BHIWANI	LART	26/05/22	04:39:00	26/05/22	04:39:00	0.00	0.00	0.00	0.00	0.00	0.00	* Auto reclose on Y-N fault.
CKT	765kV JHATIKARA-BHIWANI	LART	23/05/22	05:39:00	23/05/22	05:39:00	0.00	0.00	0.00	0.00	0.00	0.00	* Line Auto reclose on B-N Fault during heavy windstorm in the area. FLR: Bhiwani-7.568Ka/58.81Kkm.
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765KV-KOTESHWAR-MEERUT-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
CKT	765KV-KOTESHWAR-MEERUT-2	LART	23/05/22	03:12:00	23/05/22	03:12:00	0.00	0.00	0.00	0.00	0.00	0.00	* Line Auto reclose on R-N Fault during heavy windstorm in the area. FLR: Meerut-108.84Km/5.714Ka, Koteswar-66.377Km/3.98Ka. Fault under Roorkee TL jurisdiction.
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
LNR	240MVAR,SWLR OF BIKANER-1 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
LNR	240MVAR,SWLR OF BIKANER-2 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
LNR	240MVAR,SWLR OF CHITTORGARH-1 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
LNR	240MVAR,SWLR OF CHITTORGARH-2 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	0.00	
							0.00	0.00	0.00	0.00	0.00	0.00	100.00
LNR	330MVAR,SWLR OF AJMER-2 AT BHADLA-2	SVRD	14/05/22	11:26:00	14/05/22	14:07:00	0.11	0.00	0.00	0.00	0.00	2.68	* Hand tripped on Voltage Regulation. Voltage-753 KV.
							0.11	0.00	0.00	0.00	0.00	2.68	100.00
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	08/05/22	11:27:00	08/05/22	16:18:00	0.20	0.00	0.00	0.00	0.00	4.85	* Hand tripped on Voltage Regulation. Voltage-748 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	02/05/22	10:05:00	02/05/22	16:05:00	0.25	0.00	0.00	0.00	0.00	6.00	* Hand tripped on Voltage Regulation. Voltage-745 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	03/05/22	10:09:00	03/05/22	15:50:00	0.24	0.00	0.00	0.00	0.00	5.68	* Hand tripped on Voltage Regulation. Voltage-745 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	20/05/22	10:39:00	20/05/22	16:44:00	0.25	0.00	0.00	0.00	0.00	6.08	* Hand tripped on Voltage Regulation. Voltage-749 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	17/05/22	11:27:00	17/05/22	16:08:00	0.20	0.00	0.00	0.00	0.00	4.68	* Hand tripped on Voltage Regulation. Voltage-756 KV.

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifier	Detailed Reasons for Outage
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT BHINMAL	OSFT	31/05/22	15:59:00	31/05/22	23:59:59	0.33	8.02	0.00	0.00	0.00		* Forced S/D to attend heavy oil leakage observed from 220KV side B-Ph bushing <(>&<> bushing oil level is getting low.
							0.33	8.02	0.00	0.00	0.00	98.92	
XMER	500MVA,400/220kV ICT-1 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-2 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-3 AT BAWANA DTL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT CHITTORGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-2 AT CHITTORGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT DEHRADUN			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT DEHRADUN			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT DWARKA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT DWARKA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT DWARKA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT DWARKA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-2 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-3 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-4 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-5 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT HISAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT HISAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-3 AT HISAR	OSFT	19/05/22	16:26:00	19/05/22	19:36:00	0.13	3.17	0.00	0.00	0.00		* Forced shutdown to attend hotspot on R-phase CT and 20989A Isolator.
XMER	500MVA,400/220kV ICT-1 AT JAIPUR SOUTH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	99.57	
XMER	500MVA,400/220kV ICT-2 AT JAIPUR SOUTH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT JHATIKARA	GGDC	23/05/22	05:45:00	23/05/22	10:59:00	0.22	0.00	0.00	5.23	0.00		* Tripped on differential protection operation during grid disturbance due to inclement weather conditions.
XMER	1500MVA,765/400kV ICT-2 AT JHATIKARA			00:00:00		00:00:00	0.00	0.00	0.00	5.23	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-3 AT JHATIKARA	GGDC	23/05/22	05:45:00	23/05/22	17:50:00	0.50	0.00	0.00	12.08	0.00	100.00	* Tripped due to differential protection operation during GRID disturbance due to inclement weather conditions.
							0.50	0.00	0.00	12.08	0.00	100.00	
XMER	1500MVA,765/400kV ICT-4 AT JHATIKARA	GGDC	23/05/22	05:45:00	23/05/22	11:54:00	0.26	0.00	0.00	6.15	0.00	100.00	* Tripped on differential protection operation during grid disturbance due to inclement weather conditions.
XMER	1500MVA,765/400kV ICT-4 AT JHATIKARA	OSFT	20/05/22	23:59:00	21/05/22	02:52:00	0.12	2.88	0.00	0.00	0.00	99.61	* Forced S/D to attend broken IPS tube of 718 -89T R phase isolator during heavy wind storm.
							0.38	2.88	0.00	6.15	0.00	99.61	
XMER	500MVA,400/220kV ICT-1 AT JIND			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT JIND			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT KANKROLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT KANKROLI	OSFT	07/05/22	09:00:00	07/05/22	12:42:00	0.15	3.70	0.00	0.00	0.00	99.50	* Forced Shutdown to attend hot spot on terminal connector of R-Ph Bushing of HV side of ICT-2.
							0.15	3.70	0.00	0.00	0.00	99.50	
XMER	315MVA,400/220kV ICT-3 AT KANKROLI	OSPT	14/05/22	07:27:00	14/05/22	13:05:00	0.24	5.63	0.00	0.00	0.00	95.21	* Shutdown to perform DGA of HV bushings due to increasing H2 gas trend in ICT.
XMER	315MVA,400/220kV ICT-3 AT KANKROLI	OSFT	19/05/22	08:01:00	20/05/22	14:02:00	1.25	30.02	0.00	0.00	0.00	77.57	* Forced shutdown for inspection works of Y-phase HV bushing due to abnormal DGA. Shutdown by 20.05.2022.
							1.49	35.65	0.00	0.00	0.00	77.57	
XMER	800MVA,765/400kV ICT-1 AT KOTESHWAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	800MVA,765/400kV ICT-2 AT KOTESHWAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	800MVA,765/400kV ICT-3 AT KOTESHWAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	800MVA,765/400kV ICT-4 AT KOTESHWAR	SICT	25/05/22	01:09:00	31/05/22	23:59:59	6.95	166.85	0.00	0.00	0.00	77.57	* ICT tripped on operation of Buchholz relay and PVR. Failure in oil to gas compartment (710- 15Y) of ICT-4 Y-phase, HV bushing.
							6.95	166.85	0.00	0.00	0.00	77.57	
XMER	315MVA,400/220kV ICT-1 AT KOTA	GGDC	23/05/22	18:47:00	24/05/22	06:26:00	0.49	0.00	0.00	11.65	0.00	100.00	* Tripped on differential protection operation during grid disturbance due to inclement weather conditions.
							0.49	0.00	0.00	11.65	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT KOTPUTLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT KOTPUTLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT KURUKSHETRA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT KURUKSHETRA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT MANDOLA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT MANDOLA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT MANDOLA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT MANDOLA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT MANESAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT MANESAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT MAHARANIBAGH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT MAHARANIBAGH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT MAHARANIBAGH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT MAHARANIBAGH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-3 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
XMER	315MVA,400/220kV ICT-2 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-2 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-3 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT MEERUT	OSFT	11/05/22	17:09:00	11/05/22	19:03:00	0.08	1.90	0.00	0.00	0.00	99.74	* Forced S/D to attend critical hot spot on 220 kV CT terminal connector of ICT-IV.
XMER	315MVA,400/220kV ICT-3 AT MUZAFFARNAGAR	SBBU	05/05/22	00:35:00	05/05/22	01:35:00	0.04	0.00	1.00	0.00	0.00	100.00	* Tripped on busbar protection operated at Muzaffarnagr(UP) due to CB pole blast of 220KV Muzaffarnagr-Charla line bay at Muzaffarnagr.All ICT's tripped at Muzaffarnagr end.
XMER	500MVA,400/220kV ICT-1 AT NEEMRANA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT NEEMRANA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT ROORKEE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT ROORKEE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT ROORKEE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT SAHARANPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT SAHARANPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT SIKAR	OSFT	05/05/22	14:28:00	05/05/22	16:09:00	0.07	1.68	0.00	0.00	0.00	99.77	* Forced Shutdown to attend hot spot in 207 CT pad.
XMER	500MVA,400/220kV ICT-3 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT SONIPAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT SONIPAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT SONIPAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT TUGHLAKABAD			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT TUGHLAKABAD			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT TUGHLAKABAD			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT TUGHLAKABAD			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							643.68	990.37	54.83	233.47	14,160.33		