

Standard of Performance data for the month of APRIL - 2020

**Name of Transmission Licensee : POWER GRID CORPORATION OF INDIA LTD.
Region: NORTHERN REGION TRANSMISSION SYSTEM- II**

ANNEXURE-A

S.I No.	Unique ID of transmission Element	Element Name	Description (Length/ Nos./MV A/MVA/r/MW/etc.)	Region	Type of failure	OUTAGE		RESTORATION		Details of Outage		Total outage in days (1)	DURATION OF OUTAGE ATTRIBUTABLE TO (in Hrs)				Restoration Time as per Regulation 5(b) (2)	Whether Restoration Time more than normative (Y/N)	Difference between Actual and Norm 1-2	Detailed Reason(s) for Outage	Outage Certifying Agency and Reference Document	% Availability as certified by certifying agency																
						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS License	OTHERS	System Constraints/ Natural calamity / Militancy	Deemed Available																						
1	NR213201	132 KV Sewa-II - Hiranagar ckt-II	78.48	NR2									00:00	00:00	00:00	00:00																						
													0:00	0:00	0:00	0:00																						
2	NR213202	132 KV Sewa-II - Mahanpur ckt-II	31.25	NR2									00:00	00:00	00:00	00:00						NRPC	100.00															
													0:00	0:00	0:00	0:00							NRPC	100.00														
3	NR213203	132 KV Sewa-II - Hiranagar ckt-I	78.48	NR2									00:00	00:00	00:00	00:00							NRPC	100.00														
													0:00	0:00	0:00	0:00								NRPC	100.00													
4	NR213204	132KV S/C Mahanpur - Kathua	21.5	NR2									00:00	00:00	00:00	00:00								NRPC	100.00													
													0:00	0:00	0:00	0:00									NRPC	100.00												
5	NR213205	132KV S/C Sewa -II - Kathua	53	NR2									00:00	00:00	00:00	00:00									NRPC	100.00												
													0:00	0:00	0:00	0:00										NRPC	100.00											
6	NR222001	220KV Beraul-Jessore	59.12	NR2									00:00	01:13	00:00	00:00										NRPC	100.00											
													00:00	00:00	00:00	02:51											NRPC	100.00										
													0:00	1:13	0:00	2:51												NRPC	100.00									
7	NR222002	220KV Beraul-Pong	96.82	NR2									00:00	00:00	11:51	00:00												NRPC	100.00									
													00:00	00:00	02:54	00:00													NRPC	100.00								
													0:00	0:00	14:25	0:00														NRPC	100.00							
8	NR222003	220KV Hiranagar-Sarna	45.29	NR2									01:38	00:00	00:00	00:00														NRPC	100.00							
													1:38	0:00	0:00	0:00														NRPC	99.77							
9	NR222006	220KV Jalandhar-Dasuya-I	49.74	NR2									00:00	00:00	00:00	00:00														NRPC	100.00							
													0:00	0:00	0:00	0:00															NRPC	100.00						
10	NR222007	220KV Jalandhar-Dasuya-II	49.74	NR2									00:00	00:00	00:00	00:00															NRPC	100.00						
													0:00	0:00	0:00	0:00															NRPC	100.00						
11	NR222011	220KV Jessore-Pong	37.70	NR2									00:00	02:35	00:00	00:00															NRPC	100.00						
													0:00	2:35	0:00	0:00																NRPC	100.00					
12	NR222012	220KV Kishenpur-Sarna-I	103.64	NR2									00:00	00:00	00:00	00:00																NRPC	100.00					
													0:00	0:00	0:00	0:00																NRPC	100.00					
13	NR222013	220KV Kishenpur-Sarna-II	103.64	NR2									00:00	00:00	00:00	00:00																	NRPC	100.00				
													0:00	0:00	0:00	0:00																	NRPC	100.00				
14	NR222014	220KV KISHENPUR-UDHAMPUR-I	22.04	NR2									00:00	00:00	00:00	00:00																	NRPC	100.00				
													0:00	0:00	0:00	0:00																	NRPC	100.00				
15	NR222015	220KV KISHENPUR-UDHAMPUR-II	22.04	NR2									00:00	00:00	00:00	00:00																		NRPC	100.00			
													0:00	0:00	0:00	0:00																		NRPC	100.00			
16	NR222016	220KV SALAL-JAMMU-I	56.33	NR2									00:00	00:48	00:00	00:00																		NRPC	100.00			
													0:00	0:48	0:00	0:00																		NRPC	100.00			
17	NR222017	220KV SALAL-JAMMU-II	62.42	NR2									00:00	00:48	00:00	00:00																			NRPC	100.00		
													0:00	0:48	0:00	0:00																			NRPC	100.00		
18	NR222018	220KV SALAL-KISHENPUR-I	56.80	NR2									00:00	00:48	00:00	00:00																				NRPC	100.00	
													0:00	0:48	0:00	0:00																			NRPC	100.00		
19	NR222019	220KV SALAL-KISHENPUR-II	56.80	NR2									00:00	00:00	00:00	00:00																				NRPC	100.00	
													00:00	01:18	00:00	00:00																				NRPC	100.00	
													0:00	1:18	0:00	0:00																			NRPC	100.00		
20	NR222020	220KV SALAL-KISHENPUR-III	58.70	NR2									00:00	01:20	00:00	00:00																				NRPC	100.00	
													0:00	1:20	0:00	0:00																			NRPC	100.00		
21	NR222021	220KV SALAL-KISHENPUR-IV	58.70	NR2									00:00	01:24	00:00	00:00																				NRPC	100.00	
													0:00	1:24	0:00	0:00																			NRPC	100.00		
22	NR222022	220KV SARNA-DASUYA-I	53.07	NR2									00:00	00:00	00:00	00:00																				NRPC	100.00	
													0:00	0:00	0:00	0:00																				NRPC	100.00	
23	NR222023	220KV SARNA-DASUYA-II	53.07	NR2									00:00	00:00	00:00	00:00																				NRPC	100.00	
													0:00	0:00	0:00	0:00																				NRPC	100.00	
24	NR222024	220KV WAGORA-PAMPORE-I	10.29	NR2									00:00	00:00	00:00	00:00																				NRPC	100.00	
													0:00	0:00	0:00	0:00																				NRPC	100.00	
25	NR222025	220KV WAGORA-PAMPORE-II	10.29	NR2									01:46	00:00	00:00	00:00																					NRPC	99.75
													1:46	0:00	0:00	0:00																				NRPC	99.75	
26	NR222026	220KV Chamera-III - Chamba - I	14.95	NR2									00:00	00:																								

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						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millhancy	Deemed Available							
27	NR222027	220KV Chamera-III - Chamba -II	14.95	NR2									00:00	00:00	00:00	720:00				SD taken by NHPC for rectification of GIS CB at Chamera3.	NRPC	100.00	
													0:00	0:00	0:00	720:00							
													06:33	00:00	00:00	00:00					SD taken for AMP work.	NRPC	99.09
													6:33	0:00	0:00	0:00							
28	NR222029	220KV Hamirpur(PG)-Hamirpur(HPSEB)-I	9.50	NR2									08:49	00:00	00:00	00:00					SD taken for AMP work.	NRPC	98.78
													8:49	0:00	0:00	0:00							
													00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
29	NR222031	220KV Hamirpur(PG)-Hamirpur(HPSEB)-II	9.50	NR2									00:00	00:00	00:00	00:00					SD taken for AMP work.	NRPC	100.00
													0:00	0:00	0:00	0:00							
													00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
30	NR222032	220KV Jammu-Samba	60.93	NR2									01:21	00:00	00:00	00:00					Line tripped on Y-B-N fault due to problem at Kishanganga. FLR Delina:- 42.7 Km. Line length : 42KM.	NRPC	100.00
													0:00	0:00	0:00	0:00							
													0:00	0:00	0:00	0:00							
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													0:00	0:00	0:00	0:00							

S.I No.	Unique ID of transmission Element	Element Name	Description (Length/ Nos./MV A/MVA/r/MW/etc.)	Region	Type of failure	OUTAGE		RESTORATION		Details of Outage		Total outage in days (1)	DURATION OF OUTAGE ATTRIBUTABLE TO (in Hrs)				Restoration Time as per Regulation 5(b) (2)	Whether Restoration Time more than normative (Y/N)	Difference between Actual and Norm 1-2	Detailed Reason(s) for Outage	Outage Certifying Agency and Reference Document	% Availability as certified by certifying agency	
						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millhancy	Deemed Available							
73	NR240065	400KV Jalandhar-Chamba (GIS)-II	162	NR2									00:00	00:00	00:00	201:31				Line hand tripped for voltage regulation, Jalandhar- 430KV	NRPC	100.00	
													0:00	0:00	0:00	201:31							
													00:00	00:00	00:00	00:00							
74	NR240066	400KV Kishenpur-Samba-I	34.819	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
													00:00	00:00	00:00	00:00							
75	NR240067	400KV Kishenpur-Samba-II	34.819	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
													00:00	00:00	00:00	512:23					Line hand tripped for voltage regulation, Amritsar: 426 KV	NRPC	100.00
76	NR240070	400 kV Amritsar-Banala-I	250.53	NR2									00:25	00:00	00:00	00:00					Line tripped due to DT sent to Amritsar caused by chattering of BCU contacts at Banala.		
													00:00	00:00	00:00	201:06					Line hand tripped for voltage regulation, Amritsar: 428KV		
													0:25	0:00	0:00	713:29						NRPC	99.94
77	NR240072	400KV Parbati3-Banala -I	3.114	NR2									00:00	02:52	00:00	00:00					Line tripped on B-N fault caused by broken rope and Pilot wire while laying OPGW under ULDC scheme. FLR Banala:- 4.4 Km.		
													00:00	13:14	00:00	00:00					Line tripped on B-N fault caused by broken rope and Pilot wire while laying OPGW under ULDC scheme. FLR Banala:- 4.6 Km.		
													00:00	00:00	00:00	01:37					SD taken for removal of hanging Pilot rope which snapped while laying OPGW under ULDC scheme.		
													0:00	16:06	0:00	1:37						NRPC	100.00
78	NR240073	400KV Wagoora-Wanpoh Ckt-I	57	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
79	NR240074	400KV Wagoora-Wanpoh Ckt-II	57	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
80	NR240075	400KV Kishenpur-Wanpoh Ckt-I	129.76	NR2									00:00	00:00	00:51	00:00					Line tripped on R-N fault due to heavy thunder storm & rain.FLR New Wanpoh:- 12.84 Km, 8.04 KA & Kishanpur:- 118 Km, 3.3 KA		
													00:00	00:00	02:53	00:00					Line tripped on R-N fault due to heavy thunder storm & rain.FLR New Wanpoh:- 12.75Km, 7.9KA & Kishanpur:- 120Km, 3.476KA.		
													01:59	00:00	00:00	00:00					SD taken for attend loose earth wire at Loc. No.21 -22.		
													1:59	0:00	3:44	0:00						NRPC	99.72
81	NR240076	400KV Kishenpur-Wanpoh Ckt-II	130.25	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
82	NR240078	400KV Hamirpur-Banala	77	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
83	NR240079	400KV Naphthajhatri-Rampur-I	20.519	NR2									00:00	03:20	00:00	00:00					Line tripped due to Bus-Bar-1 tripping at NRPC, Jhakhri.		
													0:00	3:20	0:00	0:00							
84	NR240080	400KV Rampur-Nalagarh-I	126.481	NR2									00:00	00:00	00:00	05:56					Line hand tripped for voltage regulation, Nalagarh:425 KV		
													00:00	00:00	00:00	16:23					Line hand tripped for voltage regulation, Nalagarh:421 KV		
													0:00	0:00	0:00	22:19						NRPC	100.00
85	NR240082	400 KV (Koldam-Banala)- PGCHL portion	0.884	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
86	NR240083	400KV Naphthajhatri-Rampur-II	20.519	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
87	NR240084	400KV Rampur-Nalagarh-II	126.481	NR2									00:00	00:00	00:00	16:56					Line hand tripped for voltage regulation, Nalagarh:427 KV		
													0:00	0:00	0:00	16:56							
88	NR240085	400 KV PANIPAT-PANCHKULLA LINE (LILLO Portion)	155	NR2									00:00	00:00	00:00	05:47					SD taken by BBMB for maintenance Work.		
													0:00	0:00	0:00	5:47							
89	NR240086	400 KV DEHAR-PANCHKULLA LINE (LILLO Portion)	125	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
90	NR240089	400 KV Hisar - Moga - 2	206	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
91	NR240090	400 KV Hisar - Moga - 3	206	NR2									00:25	00:00	00:00	00:00					SD taken to taken out L/R at Moga for AMP works.		
													00:23	00:00	00:00	00:00					SD taken to taken in L/R at Moga after AMP works.		
													0:48	0:00	0:00	0:00							
92	NR240095	400KV Abdullapur-Karukshetra-I	51.65	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
93	NR240096	400KV Abdullapur-Karukshetra-II	51.65	NR2									00:00	00:00	00:00	00:00							
													0:00	0:00	0:00	0:00							
													00:00	00:00	00:00	357:44					Line hand tripped for voltage regulation, Karukshetra: 427KV		
94	NR240097	400KV Karukshetra-Sonapat-I	124.66	NR2									00:00	00:00	01:18	00:00					Line A/R attempted on Y-N fault but tripped due to fault occur in B-N Fault during dead time due to heavy wind. FLR Karukshetra:- 64.6 Km & 60.9 Km.		
													08:45	00:00	00:00	00:00					SD taken to attend hot-spot & rectification of hanged sub-conductor of pilot string at Loc No 256.		
													8:45	0:00	1:18	357:44							
95	NR240098	400KV Karukshetra-Sonapat-II	124.66	NR2									00:00	00:00	00:00	21:48					Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	229:18					Line hand tripped for voltage regulation, Karukshetra: 432KV		
													0:00	0:00	0:00	251:06							
96	NR240099	400KV Karukshetra-Jalandhar	267.00	NR2									00:00	00:00	00:00	720:00					Line hand tripped for voltage regulation.		

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						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millhancy	Deemed Available						
													0:00	0:00	0:00	720:00					NRPC	100.00
97	NR240100	400KV Jalandhar-Nakodar	42.00	NR2									00:00	00:00	00:00	720:00				Line hand tripped for voltage regulation. Karukshetra: 428KV	NRPC	100.00
													0:00	0:00	0:00	720:00					NRPC	100.00
98	NR240101	400KV Karukshetra-Nakodar	234.00	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
99	NR240104	400KV Kaithal-Bagpat-I	153.67	NR2									00:00	00:00	00:00	512:20				Line hand tripped for voltage regulation. Kaithal: 422 KV		
													00:00	00:00	00:00	108:51				Line hand tripped for voltage regulation. Kaithal-425KV.		
													0:00	0:00	0:00	621:11					NRPC	100.00
100	NR240105	400 KV Kaithal-Bagpat-II	153.67	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
101	NR240106	400 KV Patiala- Panchkula-I	65.50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
102	NR240107	400 KV Patiala- Panchkula-II	65.50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
103	NR240108	400 KV Patiala- Patran-I	78.84	NR2									00:00	00:00	00:00	116:33				Line hand tripped for voltage regulation. Patiala: 424 KV		
													0:00	0:00	0:00	116:33					NRPC	100.00
104	NR240109	400 KV Patiala- Patran-II	78.84	NR2									02:07	00:00	00:00	00:00				SD taken for rectification of hardware fitting at Loc No. 276.		
													00:00	00:00	00:00	229:16				Line hand tripped for voltage regulation. Patiala: 428KV		
													2:07	0:00	0:00	229:16					NRPC	99.71
105	NR240110	400 KV Kaithal- Patran-I	47.36	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
106	NR240111	400 KV Kaithal- Patran-II	47.36	NR2									00:00	00:00	00:00	499:14				Line hand tripped for voltage regulation.		
													0:00	0:00	0:00	499:14					NRPC	100.00
													00:00	00:00	00:00	08:13				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	07:28				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	08:51				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	06:54				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	29:25				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	05:51				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	06:51				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	06:34				Line hand tripped for voltage regulation.		
													00:00	00:00	02:52	00:00				Line tripped on over voltage protn optd at Rajpura & DT received at Dehar.		
													00:00	00:00	00:00	15:10				Line hand tripped for voltage regulation.		
													00:00	00:00	04:04	00:00				Line tripped on over voltage protn optd at Rajpura & DT received at Dehar.		
													00:00	00:00	00:00	08:06				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	04:05				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	06:42				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	109:06				Line hand tripped for voltage regulation.		
													0:00	0:00	6:56	223:16					NRPC	100.00
108	NR240113	400KV Bhiwani(BBMB) -Rajpura LILO PORTION	14.40	NR2									00:00	00:00	00:00	297:15				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	00:30				SD taken by BBMB to attend hotspot.		
													00:00	00:00	00:00	422:15				Line hand tripped for voltage regulation.		
109	NR240114	400 KV Amritsar Jalandhar-II	71.40	NR2									0:00	0:00	0:00	720:00					NRPC	100.00
													00:00	00:00	00:00	360:36				Line hand tripped for voltage regulation. Jalandhar: 421 KV		
													0:00	0:00	0:00	360:36					NRPC	100.00
110	NR240115	400KV Jalandhar Hamirpur	135.00	NR2									04:08	00:00	00:00	00:00				SD taken to attend hot spot at tower no. 285.		
													09:20	00:00	00:00	00:00				SD taken for AMP work.		
													00:34	00:00	00:00	00:00				Line manually opened on emergency due to sparking in Y-ph line isolator at Jalandhar.		
													14:02	0:00	0:00	0:00					NRPC	98.05
111	NR240116	400KV Dadri-Kaithal	213.00	NR2									00:00	00:00	00:00	00:00				Line A/R on R-N fault. FLR Kaithal : 48.92KM & Malerkotla: 90 km.		
													00:35	00:00	00:00	00:00				SD taken to cut eucalyptus trees seemed to be risky of creating fault on the line at loc 291-292.		
													0:35	0:00	0:00	0:00					NRPC	99.92
112	NR240117	400 KV Kaithal Malerkotla	135.00	NR2									00:00	00:00	00:00	720:00				Line hand tripped for voltage regulation. Kaithal: 425 KV		
													0:00	0:00	0:00	720:00					NRPC	100.00
113	NR240118	400KV Parbati2-Banala LILO portion	14.35	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
114	NR240119	400KV Parbati3-Sainj LILO portion	9.40	NR2									00:00	00:00	03:01	00:00				Bus voltage become zero at both end. CB didn't tripped at both ends		
													00:00	00:00	00:56	00:00				Bus voltage become zero at both end. CB didn't tripped at both ends		
													0:00	0:00	3:57	0:00					NRPC	100.00
115	NR240120	400KV Kishenpur- New Wanpoh-III	135.00	NR2									00:00	178:00	00:00	00:00				Work held up due to complete lockdown by JK UT Govt. to contain spread of Corona Virus. Manpower movement is completely stopped.		

S.I No.	Unique ID of transmission Element	Element Name	Description (Length/ Nos./MVA/MVA1r/MW/etc.)	Region	Type of failure	OUTAGE		RESTORATION		Details of Outage		Total outage in days (1)	DURATION OF OUTAGE ATTRIBUTABLE TO (in Hrs)				Restoration Time as per Regulation 5(b) (2)	Whether Restoration Time more than normative (Y/N)	Difference between Actual and Norm 1-2	Detailed Reason(s) for Outage	Outage Certifying Agency and Reference Document	% Availability as certified by certifying agency
						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millitancy	Deemed Available						
													196.32	00:00	00:00	00:00				SD taken for rectification of DC tower no. 181 which got bent during heavy snowfall.		
													196.32	178:00	0:00	0:00					NRPC	63.74
116	NR240121	400KV Kishenpur- New Wanpoh-IV	135.00	NR2									00:00	178:00	00:00	00:00				Work held up due to complete lockdown by JK UT Govt. to contain spread of Corona Virus. Manpower movement is completely stopped.		
													196.36	00:00	00:00	00:00				SD taken for rectification of DC tower no. 181 which got bent during heavy snowfall.		
													196.36	178:00	0:00	0:00					NRPC	63.73
117	NR240122	400KV KURUKSHETRA- JIND - I	103.60	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
118	NR240123	400KV KURUKSHETRA- JIND - II	103.60	NR2									00:00	00:00	00:00	475:30				Line hand tripped for voltage regulation.		
													00:00	00:00	00:00	229:19				Line hand tripped for voltage regulation. Kurukshetra: 432KV		
													0:00	0:00	0:00	704:49					NRPC	100.00
119	NR240124	400KV DULHASTI-KISHENPUR-II	119.44	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
120	NR240125	400KV URI I - AMARGARH - I	61.95	NR2									00:00	00:00	00:00	05:58				SD taken by NHPC to attend oil leakage in B-PH cable at Uri1.		
													0:00	0:00	0:00	5:58					NRPC	100.00
121	NR240126	400KV AMARGARH - WAGOORA - I	39.34	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
122	NR240127	400KV URI I - AMARGARH - II	61.95	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
123	NR240128	400KV AMARGARH - WAGOORA - II	39.34	NR2									00:00	00:00	00:00	00:00				Line A/R on R-N fault. FLR Wagoora-28.36KM, 7.8KA.		
													0:00	0:00	0:00	0:00					NRPC	100.00
124	NR276504	765 KV MEERUT-MOGA	337.5	NR2									00:00	00:00	00:00	105:42				Line hand tripped for voltage regulation.Moga : 782 kV		
													00:00	00:00	00:00	170:20				Line hand tripped for voltage regulation.Moga : 781 kV		
													00:00	00:00	00:00	367:47				Line hand tripped for voltage regulation.Moga : 778 kV		
													0:00	0:00	0:00	643:49					NRPC	100.00
125	NR2BRT01	ABDULLAPUR 50MVAR BUS REACTOR	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
126	NR2BRT02	Fatehabad 80 MVAR Bus Reactor	80	NR2									00:00	00:00	00:00	15:06				B/R hand tripped for voltage regulation. Moga=385KV.		
													0:00	0:00	0:00	15:06					NRPC	100.00
127	NR2BRT04	KISHENPUR 63MVAR BUS REACTOR	63	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
128	NR2BRT05	MALERKOTLA 50MVAR BUS REACTOR	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
129	NR2BRT06	MOGA 50MVAR BUS REACTOR	50	NR2									00:00	00:00	00:00	114:36				B/R hand tripped for voltage regulation. Moga: 395 KV		
													00:00	00:00	00:00	67:46				B/R hand tripped for voltage regulation. Moga=385KV.		
													00:00	00:00	00:00	00:51				B/R hand tripped for voltage regulation. V=397LV.		
													0:00	0:00	0:00	183:13					NRPC	100.00
130	NR2BRT07	NALAGARH 50MVAR BUS REACTOR	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
131	NR2BRT08	Wagoora 50 MVAR Bus Reactor-I	50	NR2									00:00	00:00	00:00	584:11				B/R hand tripped for voltage regulation as per NRLDC.		
													00:00	00:00	00:00	124:40				B/R hand tripped for voltage regulation as per NRLDC. V=394 KV		
													0:00	0:00	0:00	708:51					NRPC	100.00
132	NR2BRT09	Ludhiana 80 MVAR Bus Reactor	80	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
133	NR2BRT10	50 MVAR Kaithal Switchable L/R on on Kaithal - Bagpar Line -I	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
134	NR2BRT11	50 MVAR Kaithal Switchable L/R on on Kaithal - Bagpar Line -II	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
135	NR2BRT12	Abdullapur 125 MVAR Bus Reactor	125	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
136	NR2BRT14	Kaithal 80 MVAR Bus Reactor	80	NR2									05:49	00:00	00:00	00:00				B/R tripped on differential protection which got operated due to lose CT wire caused by vibrations.		
													5:49	0:00	0:00	0:00					NRPC	99.19
137	NR2BRT15	Patiala 125 MVAR Bus Reactor	125	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
138	NR2BRT16	Chamba 80 MVAR Bus Reactor	80	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
139	NR2BRT17	125 MVAR Bus Reactor at Panchkula	125	NR2									00:00	00:00	00:00	00:00					NRPC	100.00
													0:00	0:00	0:00	0:00					NRPC	100.00
140	NR2BRT18	50 MVAR Panchkula Switchable L/R on on Panchkula - NJTL -I	50	NR2									00:00	00:00	00:00	00:00					NRPC	100.00

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						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millhancy	Deemed Available							
													0:00	0:00	0:00	0:00					NRPC	100.00	
167	NR2BRTS0	330MVAR MOGA SWITCHABLE L/R ON MOGA-BIKANER-II	330	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
168	NR2ICT01	ABDULLAPUR 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
169	NR2ICT02	ABDULLAPUR 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
170	NR2ICT03	ABDULLAPUR 315MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
171	NR2ICT04	AMRITSAR 315 MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
172	NR2ICT05	Amritsar 315 MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
173	NR2ICT06	Fatehabad 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
174	NR2ICT07	Fatehabad 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
175	NR2ICT11	JALANDHAR 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
176	NR2ICT12	JALANDHAR 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
177	NR2ICT13	KATHAL 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
178	NR2ICT14	KATHAL 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
179	NR2ICT15	KISHENPUR 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
180	NR2ICT16	KISHENPUR 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
181	NR2ICT17	MALERKOTLA 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
182	NR2ICT18	MALERKOTLA 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
183	NR2ICT61	MOGA 500MVA ICT-I	500	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
184	NR2ICT20	MOGA 250MVA ICT-II	250	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
185	NR2ICT64	MOGA 500MVA ICT-III	500	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
186	NR2ICT22	MOGA 315MVA ICT-IV	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
187	NR2ICT23	NALAGARH 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
188	NR2ICT24	NALAGARH 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
189	NR2ICT25	PANIPAT 450MVA ICT-II	450	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
190	NR2ICT26	PATIALA 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
191	NR2ICT27	PATIALA 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
192	NR2ICT28	WAGOORA 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
193	NR2ICT29	WAGOORA 315MVA ICT-II	315	NR2									04:27	00:00	00:00	00:00					SD taken for attending Hot spot observed on Y-Phase IPS Clamp near 220 kV Isolator.	NRPC	100.00
													4:27	0:00	0:00	0:00						NRPC	99.38
194	NR2ICT30	WAGOORA 315MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
195	NR2ICT31	LUDHIANA 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
196	NR2ICT32	LUDHIANA 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
197	NR2ICT33	LUDHIANA 315MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00
198	NR2ICT37	WAGOORA 315MVA ICT-IV	315	NR2									00:00	00:00	00:00	00:00						NRPC	100.00
													0:00	0:00	0:00	0:00						NRPC	100.00

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						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Millhancy	Deemed Available						
199	NR2ICT38	Patiala 500 MVA ICT-III	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
200	NR2ICT39	Malerkotla 500 MVA ICT-III	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
201	NR2ICT40	Chamba 315 MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
202	NR2ICT41	Chamba 315 MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
203	NR2ICT43	315 MVA ICT-I at Panchkula	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
204	NR2ICT44	315 MVA ICT-II at Panchkula	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
205	NR2ICT45	Moga 1500MVA ICT-II	1500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
206	NR2ICT47	Moga 1500MVA ICT-I	1500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
207	NR2ICT51	Samba 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
208	NR2ICT52	Samba 315MVA ICT-II	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
209	NR2ICT55	Wanpoh 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
210	NR2ICT56	Amritsar 500 Mva ICT-III	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
211	NR2ICT57	ABDULLAPUR 315MVA ICT-IV	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
212	NR2ICT58	NALAGARH 315MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
213	NR2ICT59	Hamirpur 315MVA ICT-I	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
214	NR2ICT60	KISHENPUR 315MVA ICT-III	315	NR2									02:01	00:00	00:00	00:00						
													2:01	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
215	NR2ICT62	315MVA ICT-II at Hamirpur S/S	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
216	NR2ICT63	500MVA ICT-IV at Ludhiana S/S	500	NR2									00:00	00:00	00:37	00:00						
													0:00	0:00	00:37	0:00						
													0:00	0:00	0:37	1:45						
													0:00	0:00	0:00	0:00						
217	NR2ICT65	315MVA ICT-II at New Wanpoh S/S	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
218	NR2ICT66	Panchkula 500MVA ICT-III	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
219	NR2ICT67	JALANDHAR 500 MVA ICT-III	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
220	NR2ICT68	SAMBA 315 MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
221	NR2ICT69	DEHAR 315 MVA ICT IV	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
222	NR2ICT70	KURUKSHETRA 500MVA ICT-I	500	NR2									01:04	00:00	00:00	00:00						
													1:04	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
223	NR2ICT71	KURUKSHETRA 500MVA ICT-II	500	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
													0:00	0:00	0:00	0:00						
224	NR2ICT73	KATHAL 315MVA ICT-III	315	NR2									00:00	00:00	00:00	00:00						
													0:00	0:00	0:00	0:00						
		</																				

S.I No.	Unique ID of transmission Element	Element Name	Description (Length/Nos./MVA/MVAr/MW/etc.)	Region	Type of failure	OUTAGE		RESTORATION		Details of Outage		Total outage in days (1)	DURATION OF OUTAGE ATTRIBUTABLE TO (in Hrs)				Restoration Time as per Regulation 5(b) (2)	Whether Restoration Time more than normative (Y/N)	Difference between Actual and Norm 1-2	Detailed Reason(s) for Outage	Outage Certifying Agency and Reference Document	% Availability as certified by certifying agency
						Date	Time	Date	Time	No. of towers damaged	no. of insulator failed		ISTS Licensee	OTHERS	System Constraints/ Natural calamity / Miltancy	Deemed Available						
231	NRSTCOM01	NALAGARH -200+200 MVAR STATCOM											00:00	01:06	00:00	00:00				STATCOM tripped due to flash over caused by a monkey climbed on Zig-Zag transformer. Photograph attached.		
													00:00	00:56	00:00	00:00				STATCOM tripped due to flash over caused by a wild animal climbed on bay earthing. Photograph attached.		
													0:00	2:02	0:00	0:00					NRPC	100.00
232	NRWRDCP01	800KV HVDC Kurukshetra-Champa Pole - I		NR2									00:00	00:00	00:00	106:20				Pole hand tripped for vlotage regulation.		
													00:00	00:00	00:00	348:02				Pole hand tripped for vlotage regulation.		
													0:00	0:00	0:00	454:22					NRPC	100.00
233	NRWRDCP02	800KV HVDC Kurukshetra-Champa Pole - II		NR2									00:00	00:00	00:00	720:00				Pole hand tripped for vlotage regulation.		
													0:00	0:00	0:00	720:00					NRPC	100.00
234	NRWRDCP03	800KV HVDC KURUKSHETRA-CHAMPA POLE - III		NR2									00:00	00:00	00:00	720:00				Pole hand tripped for vlotage regulation.		
													0:00	2:02	0:00	0:00				Pole blocked during Lane change over at Champa.	NRPC	99.67
235	NRWRDCP04	800KV HVDC KURUKSHETRA-CHAMPA POLE - IV		NR2									00:54	00:00	00:00	00:00				Pole blocked on CNAP protection optd at Champa due to DMR fault.		
													01:30	00:00	00:00	00:00						
													02:20	00:00	00:00	00:00						
													4:44	0:00	0:00	0:00					NRPC	100.00