

Standard of Performance data for the month of April-2022

Name of Transmission Licensee : POWER GRID CORPORATION OF INDIA LTD., NORTHERN REGION-I

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
BSR	125MVAR,BUS REACTOR-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	100.00	
BSR	240MVAR,BUS REACTOR-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	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BAGPAT	SVRD	28/04/22	10:20:00	30/04/22	23:59:59	2.57	0.00	0.00	0.00	0.00	61.67	* Hand tripped on Voltage Regulation. Voltage-395 KV.
							2.57	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT BALLABGARH			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	
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	28/04/22	09:59:00	29/04/22	16:21:00	1.27	0.00	0.00	0.00	0.00	30.37	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	12/04/22	09:27:00	13/04/22	16:25:00	1.29	0.00	0.00	0.00	0.00	30.97	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	30/04/22	11:01:00	30/04/22	18:39:00	0.32	0.00	0.00	0.00	0.00	7.63	* Hand tripped on Voltage Regulation. Voltage-394 KV.
							2.88	0.00	0.00	0.00	0.00	68.97	
BSR	50MVAR,BUS REACTOR-2 AT 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	100.00	
BSR	50MVAR,BUS REACTOR-3 AT 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	100.00	
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	30/04/22	11:01:00	30/04/22	18:39:00	0.32	0.00	0.00	0.00	0.00	7.63	* Hand tripped on Voltage Regulation. Voltage-394 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	28/04/22	10:20:00	28/04/22	16:29:00	0.26	0.00	0.00	0.00	0.00	6.15	* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	22/04/22	09:39:00	22/04/22	21:34:00	0.50	0.00	0.00	0.00	0.00	11.92	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	16/04/22	09:48:00	16/04/22	16:09:00	0.27	0.00	0.00	0.00	0.00	6.35	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	17/04/22	09:45:00	17/04/22	16:12:00	0.27	0.00	0.00	0.00	0.00	6.45	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	24/04/22	09:40:00	24/04/22	15:13:00	0.23	0.00	0.00	0.00	0.00	5.55	* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	07/04/22	09:25:00	07/04/22	16:54:00	0.31	0.00	0.00	0.00	0.00	7.48	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	06/04/22	09:21:00	06/04/22	16:17:00	0.29	0.00	0.00	0.00	0.00	6.93	* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	12/04/22	09:26:00	12/04/22	13:30:00	0.17	0.00	0.00	0.00	0.00	4.07	* Hand tripped on Voltage Regulation. Voltage-395 KV.
							2.62	0.00	0.00	0.00	0.00	62.53	
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	15/04/22	09:09:00	15/04/22	17:08:00	0.33	0.00	0.00	0.00	0.00	7.98	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	09/04/22	10:43:00	09/04/22	16:06:00	0.22	0.00	0.00	0.00	0.00	5.38	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	18/04/22	07:42:00	18/04/22	16:14:00	0.36	0.00	0.00	0.00	0.00	8.53	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	14/04/22	09:41:00	14/04/22	15:45:00	0.25	0.00	0.00	0.00	0.00	6.07	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	23/04/22	11:17:00	23/04/22	16:32:00	0.22	0.00	0.00	0.00	0.00	5.25	* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	16/04/22	10:33:00	16/04/22	15:13:00	0.19	0.00	0.00	0.00	0.00	4.67	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	11/04/22	10:56:00	11/04/22	16:00:00	0.21	0.00	0.00	0.00	0.00	5.07	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	22/04/22	10:45:00	22/04/22	16:14:00	0.23	0.00	0.00	0.00	0.00	5.48	* Hand tripped on Voltage Regulation. Voltage-390 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	04/04/22	09:47:00	04/04/22	17:30:00	0.32	0.00	0.00	0.00	0.00	7.72	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	28/04/22	10:08:00	28/04/22	16:10:00	0.25	0.00	0.00	0.00	0.00	6.03	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	10/04/22	06:30:00	10/04/22	16:08:00	0.40	0.00	0.00	0.00	0.00	9.63	* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	17/04/22	09:37:00	17/04/22	16:18:00	0.28	0.00	0.00	0.00	0.00	6.68	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	07/04/22	09:03:00	07/04/22	16:52:00	0.33	0.00	0.00	0.00	0.00	7.82	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	29/04/22	11:18:00	29/04/22	16:15:00	0.21	0.00	0.00	0.00	0.00	4.95	* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	19/04/22	11:20:00	19/04/22	16:02:00	0.20	0.00	0.00	0.00	0.00	4.70	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	30/04/22	10:34:00	30/04/22	16:02:00	0.23	0.00	0.00	0.00	0.00	5.47	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	25/04/22	08:52:00	25/04/22	16:06:00	0.30	0.00	0.00	0.00	0.00	7.23	* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	06/04/22	09:16:00	06/04/22	16:13:00	0.29	0.00	0.00	0.00	0.00	6.95	* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	02/04/22	10:52:00	02/04/22	22:00:00	0.46	0.00	0.00	0.00	0.00	11.13	* Hand tripped on Voltage Regulation. Voltage-394 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	26/04/22	11:01:00	26/04/22	15:09:00	0.17	0.00	0.00	0.00	0.00	4.13	* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	27/04/22	10:11:00	27/04/22	16:06:00	0.25	0.00	0.00	0.00	0.00	5.92	* Hand tripped on Voltage Regulation. Voltage-396 KV.
							5.70	0.00	0.00	0.00	0.00	136.79	
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	12/04/22	10:28:00	12/04/22	15:09:00	0.20	0.00	0.00	0.00	0.00	4.68	* Hand tripped on Voltage Regulation. Voltage-751 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	09/04/22	09:02:00	09/04/22	15:21:00	0.26	0.00	0.00	0.00	0.00	6.32	* Hand tripped on Voltage Regulation. Voltage-748 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	01/04/22	09:42:00	01/04/22	15:48:00	0.25	0.00	0.00	0.00	0.00	6.10	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	02/04/22	09:12:00	02/04/22	15:25:00	0.26	0.00	0.00	0.00	0.00	6.22	* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	04/04/22	10:33:00	04/04/22	13:11:00	0.11	0.00	0.00	0.00	0.00	2.63	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	25/04/22	10:31:00	25/04/22	14:56:00	0.18	0.00	0.00	0.00	0.00	4.42	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	20/04/22	10:30:00	20/04/22	16:01:00	0.23	0.00	0.00	0.00	0.00	5.52	* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	10/04/22	10:23:00	10/04/22	16:06:00	0.24	0.00	0.00	0.00	0.00	5.72	* Hand tripped on Voltage Regulation. Voltage-748 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	28/04/22	09:57:00	28/04/22	16:33:00	0.28	0.00	0.00	0.00	0.00	6.60	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	08/04/22	10:15:00	08/04/22	15:41:00	0.23	0.00	0.00	0.00	0.00	5.43	* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	05/04/22	10:43:00	05/04/22	15:10:00	0.19	0.00	0.00	0.00	0.00	4.45	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	21/04/22	09:46:00	21/04/22	15:56:00	0.26	0.00	0.00	0.00	0.00	6.17	* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	17/04/22	09:16:00	17/04/22	15:14:00	0.25	0.00	0.00	0.00	0.00	5.97	* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	06/04/22	11:14:00	06/04/22	16:12:00	0.21	0.00	0.00	0.00	0.00	4.97	* Hand tripped on Voltage Regulation. Voltage-760 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	15/04/22	10:28:00	15/04/22	16:55:00	0.27	0.00	0.00	0.00	0.00	6.45	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	16/04/22	09:34:00	16/04/22	16:07:00	0.27	0.00	0.00	0.00	0.00	6.55	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	19/04/22	09:17:00	19/04/22	15:11:00	0.25	0.00	0.00	0.00	0.00	5.90	* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	03/04/22	10:00:00	03/04/22	14:37:00	0.19	0.00	0.00	0.00	0.00	4.62	* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	18/04/22	09:49:00	18/04/22	15:41:00	0.24	0.00	0.00	0.00	0.00	5.87	* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	29/04/22	10:37:00	29/04/22	16:31:00	0.25	0.00	0.00	0.00	0.00	5.90	* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	22/04/22	09:16:00	22/04/22	15:38:00	0.27	0.00	0.00	0.00	0.00	6.37	* 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 certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	26/04/22	09:49:00	26/04/22	16:02:00	0.26	0.00	0.00	0.00	6.22		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	27/04/22	09:17:00	27/04/22	15:57:00	0.28	0.00	0.00	0.00	6.67		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	24/04/22	10:56:00	24/04/22	15:01:00	0.17	0.00	0.00	0.00	4.08		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	30/04/22	09:15:00	30/04/22	16:33:00	0.30	0.00	0.00	0.00	7.30		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	11/04/22	09:19:00	11/04/22	15:56:00	0.28	0.00	0.00	0.00	6.62		* Hand tripped on Voltage Regulation. Voltage-751 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	23/04/22	09:47:00	23/04/22	15:27:00	0.24	0.00	0.00	0.00	5.67		* Hand tripped on Voltage Regulation. Voltage-757 KV.
							6.42	0.00	0.00	0.00	153.42	100.00	
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	16/04/22	10:29:00	16/04/22	15:10:00	0.20	0.00	0.00	0.00	4.68		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	28/04/22	11:07:00	28/04/22	16:48:00	0.24	0.00	0.00	0.00	5.68		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	23/04/22	10:37:00	23/04/22	16:06:00	0.23	0.00	0.00	0.00	5.48		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	22/04/22	10:29:00	22/04/22	16:12:00	0.24	0.00	0.00	0.00	5.72		* Hand tripped on Voltage Regulation. Voltage-750 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	09/04/22	09:45:00	09/04/22	16:37:00	0.29	0.00	0.00	0.00	6.87		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	10/04/22	11:35:00	10/04/22	15:20:00	0.16	0.00	0.00	0.00	3.75		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	07/04/22	11:32:00	07/04/22	16:00:00	0.19	0.00	0.00	0.00	4.47		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	21/04/22	11:11:00	21/04/22	16:20:00	0.22	0.00	0.00	0.00	5.15		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	17/04/22	09:39:00	17/04/22	15:54:00	0.26	0.00	0.00	0.00	6.25		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	15/04/22	10:52:00	15/04/22	16:04:00	0.22	0.00	0.00	0.00	5.20		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	08/04/22	10:42:00	08/04/22	16:00:00	0.22	0.00	0.00	0.00	5.30		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	29/04/22	09:43:00	29/04/22	16:55:00	0.30	0.00	0.00	0.00	7.20		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	02/04/22	10:30:00	02/04/22	17:47:00	0.30	0.00	0.00	0.00	7.28		* Hand tripped on Voltage Regulation. Voltage-763 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	04/04/22	10:51:00	04/04/22	15:59:00	0.21	0.00	0.00	0.00	5.13		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	01/04/22	10:28:00	01/04/22	16:07:00	0.24	0.00	0.00	0.00	5.65		* Hand tripped on Voltage Regulation. Voltage-750 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	25/04/22	11:17:00	25/04/22	16:09:00	0.20	0.00	0.00	0.00	4.87		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	19/04/22	10:45:00	19/04/22	15:44:00	0.21	0.00	0.00	0.00	4.98		* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	27/04/22	10:07:00	27/04/22	17:00:00	0.29	0.00	0.00	0.00	6.88		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	26/04/22	10:58:00	26/04/22	21:40:00	0.45	0.00	0.00	0.00	10.70		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	03/04/22	10:20:00	03/04/22	17:09:00	0.28	0.00	0.00	0.00	6.82		* Hand tripped on Voltage Regulation. Voltage-750 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	05/04/22	11:51:00	05/04/22	16:06:00	0.18	0.00	0.00	0.00	4.25		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	20/04/22	11:47:00	20/04/22	18:02:00	0.26	0.00	0.00	0.00	6.25		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	18/04/22	10:53:00	18/04/22	15:58:00	0.21	0.00	0.00	0.00	5.08		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	24/04/22	09:45:00	24/04/22	15:19:00	0.23	0.00	0.00	0.00	5.57		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	11/04/22	10:17:00	12/04/22	17:07:00	1.29	0.00	0.00	0.00	30.83		* Hand tripped on Voltage Regulation. Voltage-755 KV.
							7.12	0.00	0.00	0.00	170.04	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	26/04/22	10:10:00	26/04/22	15:26:00	0.22	0.00	0.00	0.00	5.27		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	29/04/22	10:24:00	29/04/22	15:43:00	0.22	0.00	0.00	0.00	5.32		* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	16/04/22	10:33:00	16/04/22	15:10:00	0.19	0.00	0.00	0.00	4.62		* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	14/04/22	09:46:00	15/04/22	17:38:00	1.33	0.00	0.00	0.00	31.87		* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	18/04/22	08:08:00	19/04/22	16:08:00	1.33	0.00	0.00	0.00	32.00		* Hand tripped on Voltage Regulation. Voltage-401 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	22/04/22	09:34:00	22/04/22	16:16:00	0.28	0.00	0.00	0.00	6.70		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	23/04/22	10:46:00	23/04/22	15:36:00	0.20	0.00	0.00	0.00	4.83		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	27/04/22	09:23:00	27/04/22	16:19:00	0.29	0.00	0.00	0.00	6.93		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	28/04/22	10:03:00	28/04/22	16:18:00	0.26	0.00	0.00	0.00	6.25		* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	09/04/22	10:53:00	09/04/22	15:24:00	0.19	0.00	0.00	0.00	4.52		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	30/04/22	09:20:00	30/04/22	18:49:00	0.40	0.00	0.00	0.00	9.48		* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	10/04/22	06:35:00	12/04/22	16:21:00	2.41	0.00	0.00	0.00	57.77		* Hand tripped on Voltage Regulation. Voltage-402 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	07/04/22	09:23:00	07/04/22	16:53:00	0.31	0.00	0.00	0.00	7.50		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	25/04/22	08:52:00	25/04/22	16:06:00	0.30	0.00	0.00	0.00	7.23		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	08/04/22	09:16:00	08/04/22	16:49:00	0.32	0.00	0.00	0.00	7.55		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	17/04/22	09:39:00	17/04/22	16:24:00	0.28	0.00	0.00	0.00	6.75		* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	02/04/22	10:49:00	02/04/22	22:14:00	0.48	0.00	0.00	0.00	11.42		* Hand tripped on Voltage Regulation. Voltage-392 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	04/04/22	09:46:00	04/04/22	17:31:00	0.32	0.00	0.00	0.00	7.75		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	06/04/22	09:27:00	06/04/22	16:40:00	0.30	0.00	0.00	0.00	7.22		* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	24/04/22	10:54:00	24/04/22	15:25:00	0.19	0.00	0.00	0.00	4.52		* Hand tripped on Voltage Regulation. Voltage-395 KV.
							9.82	0.00	0.00	0.00	235.50	100.00	
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	15/04/22	09:52:00	15/04/22	16:10:00	0.26	0.00	0.00	0.00	6.30		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	30/04/22	09:18:00	30/04/22	15:04:00	0.24	0.00	0.00	0.00	5.77		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	06/04/22	09:24:00	06/04/22	17:07:00	0.32	0.00	0.00	0.00	7.72		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	16/04/22	09:23:00	16/04/22	16:53:00	0.31	0.00	0.00	0.00	7.50		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	21/04/22	10:09:00	21/04/22	17:15:00	0.30	0.00	0.00	0.00	7.10		* Hand tripped on Voltage Regulation. Voltage-764 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	05/04/22	09:14:00	05/04/22	15:22:00	0.26	0.00	0.00	0.00	6.13		* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	28/04/22	10:37:00	28/04/22	16:18:00	0.24	0.00	0.00	0.00	5.68		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	17/04/22	09:22:00	17/04/22	16:25:00	0.29	0.00	0.00	0.00	7.05		* Hand tripped on Voltage Regulation. Voltage-764 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	19/04/22	10:18:00	19/04/22	16:11:00	0.25	0.00	0.00	0.00	5.88		* Hand tripped on Voltage Regulation. Voltage-764 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	23/04/22	10:06:00	23/04/22	16:09:00	0.25	0.00	0.00	0.00	6.05		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	10/04/22	10:44:00	10/04/22	15:32:00	0.20	0.00	0.00	0.00	4.80		* Hand tripped on Voltage Regulation. Voltage-751 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	08/04/22	09:15:00	08/04/22	16:46:00	0.31	0.00	0.00	0.00	7.52		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	11/04/22	10:01:00	11/04/22	16:06:00	0.25	0.00	0.00	0.00	6.08		* Hand tripped on Voltage Regulation. Voltage-751 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	29/04/22	10:22:00	29/04/22	16:13:00	0.24	0.00	0.00	0.00	5.85		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	25/04/22	11:16:00	25/04/22	14:45:00	0.15	0.00	0.00	0.00	3.48		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	03/04/22	10:23:00	03/04/22	16:05:00	0.24	0.00	0.00	0.00	5.70		* Hand tripped on Voltage Regulation. Voltage-763 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	01/04/22	09:26:00	01/04/22	16:12:00	0.28	0.00	0.00	0.00	6.77		* Hand tripped on Voltage Regulation. Voltage-760 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	02/04/22	10:29:00	02/04/22	15:55:00	0.23	0.00	0.00	0.00	5.43		* Hand tripped on Voltage Regulation. Voltage-763 KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	24/04/22	09:23:00	24/04/22	16:38:00	0.30	0.00	0.00	0.00	7.25		* Hand tripped on Voltage Regulation. Voltage-755 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
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	01/04/22	00:00:01	03/04/22	17:39:00	2.74	0.00	0.00	0.00	65.65		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	06/04/22	09:28:00	30/04/22	23:59:59	24.61	0.00	0.00	0.00	590.53		* Hand tripped on Voltage Regulation. Voltage-397 KV.
							27.35	0.00	0.00	0.00	656.18	100.00	
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	01/04/22	00:00:01	07/04/22	18:25:00	6.77	0.00	0.00	0.00	162.42		* Hand tripped on Voltage Regulation. Voltage-756 KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	26/04/22	08:38:00	30/04/22	23:59:59	4.64	0.00	0.00	0.00	111.37		* Hand tripped on Voltage Regulation. Voltage-757 KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	12/04/22	10:46:00	13/04/22	16:09:00	1.22	0.00	0.00	0.00	29.38		* Hand tripped on Voltage Regulation. Voltage-751 KV.
							12.63	0.00	0.00	0.00	303.17	100.00	
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	07/04/22	08:40:00	09/04/22	21:54:00	2.55	0.00	0.00	0.00	61.23		* Hand tripped on Voltage Regulation. Voltage-760 KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	17/04/22	21:13:00	25/04/22	22:02:00	8.03	0.00	0.00	0.00	192.82		* Hand tripped on Voltage Regulation. Voltage-740 KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	29/04/22	09:22:00	30/04/22	23:59:59	1.61	0.00	0.00	0.00	38.63		* Hand tripped on Voltage Regulation. Voltage-755 KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	14/04/22	09:01:00	16/04/22	17:46:00	2.37	0.00	0.00	0.00	56.75		* Hand tripped on Voltage Regulation. Voltage-751 KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	13/04/22	11:42:00	13/04/22	20:12:00	0.35	0.00	0.00	0.00	8.50		* Hand tripped on Voltage Regulation. Voltage-745 KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	28/04/22	12:25:00	28/04/22	18:26:00	0.25	0.00	0.00	0.00	6.02		* Hand tripped on Voltage Regulation. Voltage-755 KV.
							15.16	0.00	0.00	0.00	363.95	100.00	
BSR	50MVAR,BUS REACTOR-1 AT 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	
BSR	125MVAR,BUS REACTOR-2 AT 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	
BSR	125MVAR,BUS RECTOR-3 AT 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	
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH			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	
BSR	125MVAR,BUS REACTOR-2 AT JAIPUR SOUTH			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	
BSR	240MVAR,BUS REACTOR-1 AT PHAGI			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	
BSR	240MVAR,BUS REACTOR-1 AT JHATIKARA	SVRD	30/04/22	11:09:00	30/04/22	16:28:00	0.22	0.00	0.00	0.00	5.32		* Hand tripped on Voltage Regulation. Voltage-752 KV.
							0.22	0.00	0.00	0.00	5.32	100.00	
BSR	240MVAR,BUS REACTOR-2 AT JHATIKARA			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	
BSR	125MVAR,BUS REACTOR-1 AT JIND			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	
BSR	25MVAR,BUS REACTOR-2 AT JIND	OMST	12/04/22	12:59:00	12/04/22	17:42:00	0.20	4.72	0.00	0.00	0.00		* Tripped due to mal operation of LBB in Bay 207 of 220KV JIND-MUND-I at JIND.
							0.20	4.72	0.00	0.00	0.00	99.34	
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	18/04/22	07:54:00	20/04/22	17:34:00	2.40	0.00	0.00	0.00	57.67		* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	12/04/22	09:24:00	12/04/22	21:42:00	0.51	0.00	0.00	0.00	12.30		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	09/04/22	10:38:00	09/04/22	17:08:00	0.27	0.00	0.00	0.00	6.50		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	06/04/22	09:24:00	06/04/22	16:26:00	0.29	0.00	0.00	0.00	7.03		* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	14/04/22	09:51:00	15/04/22	16:59:00	1.30	0.00	0.00	0.00	31.13		* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	10/04/22	09:33:00	10/04/22	16:26:00	0.29	0.00	0.00	0.00	6.88		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	08/04/22	09:30:00	08/04/22	16:48:00	0.30	0.00	0.00	0.00	7.30		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	23/04/22	10:53:00	23/04/22	16:33:00	0.24	0.00	0.00	0.00	5.67		* Hand tripped on Voltage Regulation. Voltage-396 KV.
							5.60	0.00	0.00	0.00	134.48	100.00	
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	18/04/22	07:53:00	30/04/22	23:59:59	12.67	0.00	0.00	0.00	304.12		* Hand tripped on Voltage Regulation. Voltage-400 KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	14/04/22	09:51:00	15/04/22	22:02:00	1.51	0.00	0.00	0.00	36.18		* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	06/04/22	09:24:00	06/04/22	17:08:00	0.32	0.00	0.00	0.00	7.73		* Hand tripped on Voltage Regulation. Voltage-400 KV.
							14.50	0.00	0.00	0.00	348.03	100.00	
BSR	125MVAR,BUS REACTOR-1 AT KOTESHWAR			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	
BSR	240MVAR,BUS REACTOR-1 AT KOTESHWAR	SVRD	30/04/22	09:27:00	30/04/22	13:33:00	0.17	0.00	0.00	0.00	4.10		* Hand tripped on Voltage Regulation. Voltage-759 KV.
							0.17	0.00	0.00	0.00	4.10	100.00	
BSR	80MVAR,BUS REACTOR-1 AT 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	
BSR	50MVAR,BUS REACTOR-2 AT 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	
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	27/04/22	10:50:00	30/04/22	23:59:59	3.55	0.00	0.00	0.00	85.17		* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	23/04/22	10:01:00	24/04/22	15:11:00	1.22	0.00	0.00	0.00	29.17		* Hand tripped on Voltage Regulation. Voltage-397 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	16/04/22	09:49:00	16/04/22	16:14:00	0.27	0.00	0.00	0.00	6.42		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	26/04/22	10:16:00	26/04/22	16:30:00	0.26	0.00	0.00	0.00	6.23		* Hand tripped on Voltage Regulation. Voltage-396 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	17/04/22	09:43:00	17/04/22	16:14:00	0.27	0.00	0.00	0.00	6.52		* Hand tripped on Voltage Regulation. Voltage-395 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	19/04/22	11:39:00	19/04/22	17:21:00	0.24	0.00	0.00	0.00	5.70		* Hand tripped on Voltage Regulation. Voltage-399 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	22/04/22	09:36:00	22/04/22	16:12:00	0.28	0.00	0.00	0.00	6.60		* Hand tripped on Voltage Regulation. Voltage-395 KV.
							6.09	0.00	0.00	0.00	145.81	100.00	
BSR	125MVAR,BUS REACTOR-1 AT KURUKSHETRA	SRET	07/04/22	18:56:00	08/04/22	00:27:00	0.23	5.52	0.00	0.00	0.00		* Tripped due to operation of Buchholz relay.
							0.23	5.52	0.00	0.00	0.00	99.23	
BSR	50MVAR,BUS REACTOR-1 AT MANDOLA			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	
BSR	125MVAR,BUS REACTOR-2 AT MANDOLA			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	
BSR	25MVAR,BUS REACTOR-3 AT MANDOLA			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
BSR	125MVAR,BUS REACTOR-1 AT MANESAR	OSFT	05/04/22	10:57:00	05/04/22	15:08:00	0.17	4.18	0.00	0.00	0.00	99.42	* Bus Reactor forced hand tripped due to sparking in X1 TB of Marshalling box to prevent any damage to control cables.
							0.17	4.18	0.00	0.00	0.00		
BSR	125MVAR,BUS REACTOR-2 AT MANESAR	SVRD	30/04/22	11:31:00	30/04/22	23:59:59	0.52	0.00	0.00	0.00	12.48	100.00	* Hand tripped on Voltage Regulation. Voltage-392 KV.
							0.52	0.00	0.00	0.00	12.48		
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	28/04/22	10:20:00	30/04/22	23:59:59	2.57	0.00	0.00	0.00	61.67	100.00	* Hand tripped on Voltage Regulation. Voltage-752 KV.
							2.57	0.00	0.00	0.00	61.67		
BSR	50MVAR ,BUS REACTOR-2 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		
BSR	125MVAR,BUS REACTOR-1 AT MEERUT	SVRD	29/04/22	09:31:00	30/04/22	23:59:59	1.60	0.00	0.00	0.00	38.48	100.00	* Hand tripped on Voltage Regulation. Voltage-399 KV.
							1.60	0.00	0.00	0.00	38.48		
BSR	50MVAR,BUS REACTOR-1 AT MURADNAGAR			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		
BSR	80MVAR,BUS REACTOR-1 AT NEEMRANA	SVRD	28/04/22	10:16:00	30/04/22	23:59:59	2.57	0.00	0.00	0.00	61.73	100.00	* Hand tripped on Voltage Regulation. Voltage-396 KV.
							2.57	0.00	0.00	0.00	61.73		
BSR	80MVAR,BUS REACTOR-1 AT NEEMRANA	SRET	01/04/22	00:00:01	01/04/22	08:42:00	0.36	8.70	0.00	0.00	0.00	98.79	* Tripped on Bucchoiz relay operation.
							2.93	8.70	0.00	0.00	61.73		
BSR	125MVAR,BUS REACTOR-1 AT RATANGARH	OSFT	22/04/22	20:02:00	30/04/22	23:59:59	8.17	195.97	0.00	0.00	0.00	72.78	* Forced shutdown due to very high increase in fault gases has been observed.
							8.17	195.97	0.00	0.00	0.00		
BSR	125MVAR,BUS REACTOR-1 AT ROORKEE	SVRD	19/04/22	11:27:00	30/04/22	23:59:59	11.52	0.00	0.00	0.00	276.55	100.00	* Hand tripped on Voltage Regulation. Voltage-399 KV.
							11.52	0.00	0.00	0.00	276.55		
BSR	50MVAR,BUS REACTOR-1 AT SAHARANPUR	SVRD	30/04/22	09:25:00	30/04/22	23:59:59	0.61	0.00	0.00	0.00	14.58	100.00	* Hand tripped on Voltage Regulation. Voltage-385 KV.
							0.61	0.00	0.00	0.00	14.58		
BSR	50MVAR,BUS REACTOR-2 AT SAHARANPUR	SVRD	30/04/22	09:25:00	30/04/22	23:59:59	0.61	0.00	0.00	0.00	14.58	100.00	* Hand tripped on Voltage Regulation. Voltage-385 KV.
							0.61	0.00	0.00	0.00	14.58		
BSR	80MVAR ,BUS REACTOR-1 AT SIKAR			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		
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	30/04/22	11:02:00	30/04/22	18:42:00	0.32	0.00	0.00	0.00	7.67	100.00	* Hand tripped on Voltage Regulation. Voltage-395 KV.
							0.32	0.00	0.00	0.00	7.67		
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	20/04/22	10:54:00	20/04/22	16:14:00	0.22	0.00	0.00	0.00	5.33	100.00	* Hand tripped on Voltage Regulation. Voltage-399 KV.
							0.22	0.00	0.00	0.00	5.33		
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	11/04/22	11:03:00	12/04/22	13:31:00	1.10	0.00	0.00	0.00	26.47	100.00	* Hand tripped on Voltage Regulation. Voltage-397 KV.
							1.64	0.00	0.00	0.00	39.47		
BSR	125MVAR,BUS REACTOR-1 AT SONIPAT			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		
BSR	125MVAR,BUS REACTOR-2 AT SONIPAT			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		
BSR	125MVAR,BUS REACTOR-1 AT TUGHLAKABAD			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		
CKT	220kV ANTA(NTPC)-BHILWARA(RRVPNL)-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		
CKT	220kV ANTA(NTPC)-BHILWARA(RRVPNL)-2	LPRD	01/04/22	00:00:01	30/04/22	23:59:59	30.00	0.00	0.00	0.00	720.00	100.00	* Line kept open on Power loading to avoid overloading of 220KV Anta-Kota Line.
							30.00	0.00	0.00	0.00	720.00		
CKT	220kV ANTA(NTPC)-LALSOT(RRVPNL)	OSFD	04/04/22	16:03:00	06/04/22	22:55:00	2.29	0.00	0.00	0.00	54.87	100.00	* Forced shutdown availed by Anta NTPC to attend problem in their CB and complete checking of their protection system. Shutdown by 05.04.2022.
							2.29	0.00	0.00	0.00	54.87		
CKT	220kV ANTA(NTPC)-LALSOT(RRVPNL)	OMSU	04/04/22	12:31:00	04/04/22	16:03:00	0.15	0.00	3.53	0.00	0.00	100.00	* CB tripped only at Anta NTPC end due to problem in their protection system. The line remain charged from Lalsot end. Later, forced shutdown (NRLDC Code-521) availed by Anta to attend problem in their CB and complete checking of their protection system.
							0.15	0.00	3.53	0.00	0.00		
CKT	220kV ANTA(NTPC)-LALSOT(RRVPNL)	OSPD	06/04/22	09:50:00	22/04/22	22:25:00	16.52	0.00	0.00	0.00	396.58	100.00	* shut down by RRVPNL for height raising of tower between Loc. No.23 to 26 on delhi- vadodara express way of NHAI (Under Supervision work of RVPN) in order to maintain the ground clearance. Shutdown upto 16.04.2022.
							18.96	0.00	3.53	0.00	451.45		
CKT	220kV ANTA(NTPC)-RAPPC(NPCIL)	OSPT	04/04/22	09:59:00	04/04/22	21:29:00	0.48	11.50	0.00	0.00	0.00	100.00	* Shutdown by NTPC Anta for Annual Bay maintenance work, checking of CB, LA, CT, VT etc at their end.
							0.48	11.50	0.00	0.00	0.00		
CKT	220kV ANTA(NTPC)-RAPPC(NPCIL)	OSPT	06/04/22	09:45:00	06/04/22	21:37:00	0.49	11.87	0.00	0.00	0.00	100.00	* Shutdown by ANTA for annual Bay maintenance work Checking of CB, LA, CT, VT etc at ANTA end.
							0.49	11.87	0.00	0.00	0.00		
CKT	220kV ANTA(NTPC)-RAPPC(NPCIL)	OSPT	05/04/22	09:48:00	05/04/22	20:56:00	0.46	11.13	0.00	0.00	0.00	95.21	* Shutdown by ANTA for annual Bay maintenance work Checking of CB, LA, CT, VT etc at ANTA end.
							1.43	34.50	0.00	0.00	0.00		
CKT	220kV ANTA(NTPC)-SAWAI MADHOPUR(RRVPNL)	OMSU	08/04/22	09:16:00	08/04/22	15:40:00	0.27	0.00	6.40	0.00	0.00	100.00	* Tripped only from Sawaimadhupur end due to B-phase CT jumper opened and later taken under S/D by RRVPNL for jumpering and to attend burnt Clamp of B-ph CT at their Sawai Madhopur end.
							0.27	0.00	6.40	0.00	0.00		
CKT	220kV BASSI-HG NAGAR(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		
CKT	220kV BASSI-BAGRU(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		
							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	220kV DAUSA(RRVPNL)-BASSI-1	SBBU	28/04/22	12:51:00	28/04/22	13:59:00	0.05	0.00	1.13	0.00	0.00		* Line tripped only from Bassi end <(>&<)> A/R from Dausa end on B-N fault. FLR- Bassi-33.10km/3.29kA/Z-2. Problem in busbar protection of RRVPNL during fault in 220KV Dausa-Sikrai <(>&<)> 220KV Alwar-Dausa line . Fault is in RRVPNL portion.
							0.05	0.00	1.13	0.00	0.00	100.00	
CKT	220kV DAUSA(RRVPNL)-BASSI-2	SBBU	28/04/22	12:51:00	28/04/22	13:59:00	0.05	0.00	1.13	0.00	0.00		* Line tripped only from Dausa(raj) end <(>&<)> A/R from Bassi end on B-N fault.FLR- Bassi-43.50km/3.28kA/Z-2. Dausa-4.71km. Problem in busbar protection of RRVPNL during fault in 220KV Dausa-Sikrai <(>&<)> 220KV Alwar-Dausa line . Fault is in RRVPNL portion.
							0.05	0.00	1.13	0.00	0.00	100.00	
CKT	220kV FGPP(NTPC)-PALLA(HVPNL)-1	OMSU	02/04/22	13:43:00	02/04/22	17:49:00	0.17	0.00	4.10	0.00	0.00		* Tripped on R-N fault.FLR-FGPP-11.34km,Palla-5.039km/8.2kA.Fault is in Ballabgarh TL.Kite found <(>&<)> some JCB's parked below the line in span-35-36.
							0.17	0.00	4.10	0.00	0.00	100.00	
CKT	220kV FGPP(NTPC)-PALLA(HVPNL)-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 FGPP(NTPC)-SAMAYPUR(BBMB)-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 FGPP(NTPC)-SAMAYPUR(BBMB)-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-FGPP NTPC-SEC 58(HVPNL)-1	OSPD	21/04/22	09:05:00	21/04/22	12:45:00	0.15	0.00	0.00	0.00	3.67		* Shutdown by HVPNL for tree trimming works and half yearly maintenance works at their end.
							0.15	0.00	0.00	0.00	3.67	100.00	
CKT	220KV-FGPP NTPC-SEC 58(HVPNL)-2	OSPD	21/04/22	14:22:00	21/04/22	16:35:00	0.09	0.00	0.00	0.00	2.22		* Shutdown by HVPNL for tree trimming works and half yearly maintenance works at their end.
							0.09	0.00	0.00	0.00	2.22	100.00	
CKT	220kV HISAR-HISAR(HVPNL)-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 HISAR-HISAR(HVPNL)-2	OSPD	30/04/22	09:19:00	30/04/22	23:59:59	0.61	0.00	0.00	0.00	14.68		* Shutdown by HVPNL for replacement of multilated conductor of line bay at Hisar(IA) end. Bay at Hisar(IA) belongs to HVPNL. Shutdown upto 01.05.2022.
							0.61	0.00	0.00	0.00	14.68	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)	OSPD	06/04/22	09:50:00	22/04/22	22:26:00	16.53	0.00	0.00	0.00	396.60		* shut down by RRVPNL for height raising of tower between Loc. No.23 to 26 on delhi- vadodara express way of NHAI (Under Supervision work of RVPN) in order to maintain the ground clearance. Shutdown upto 16.04.2022.
							16.53	0.00	1.35	0.00	396.60	100.00	
CKT	220kV LALSOT(RRVPNL)-DAUSA(RRVPNL)	SBBU	28/04/22	12:51:00	28/04/22	14:12:00	0.06	0.00	1.35	0.00	0.00		* Line tripped on B-N fault.FLR-Lalsot-49.4km/Z-2. Problem in busbar protection of RRVPNL during fault in 220KV Dausa-Sikrai <(>&<)> 220KV Alwar-Dausa line Fault is in RRVPNL portion.
							0.06	0.00	1.35	0.00	0.00	100.00	
CKT	220kV MANSROVAR(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 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)	LART	02/04/22	05:45:00	02/04/22	05:45:00	0.00	0.00	0.00	0.00	0.00		* Line auto-reclosed successfully on B-N fault.Meerut: B-N, 7.28km, 16.05kA.Fault is in UPPTCL jurisdiction.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV MEERUT-SHATABDINAGAR(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 MEERUT-SIMBHOLI(UPPTCL)	LCSD	20/04/22	10:00:00	20/04/22	19:48:00	0.41	0.00	0.00	0.00	9.80		* Shutdown for stringing of conductor in crossing span 60/0-61/0 of new 400KV Muradnagar-Simbhavli TL.
							0.41	0.00	0.00	0.00	9.80	100.00	
CKT	220kV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)	OSFT	09/04/22	06:02:00	09/04/22	09:40:00	0.15	3.63	0.00	0.00	0.00		* Forced shutdown to attend the Missing of cable from LA bottom to LA counter in all LAs at Chittorgarh (RRVPNL) end to avoid any major risk to LA health and tripping of line.
							0.15	3.63	0.00	0.00	0.00	99.50	
CKT	220kV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)	OSFT	08/04/22	20:51:00	09/04/22	05:18:00	0.35	8.45	0.00	0.00	0.00		* Forced shutdown to attend the Missing of cable from LA bottom to LA counter in all LAs at Chittorgarh (RRVPNL) end to avoid any major risk to LA health and tripping of line.
							0.35	8.45	0.00	0.00	0.00	98.83	
CKT	220kV RAPPB(NPCIL)-RAPPC(NPCIL)	OMSU	26/04/22	13:47:00	26/04/22	17:58:00	0.17	0.00	4.18	0.00	0.00		* Tripped on B-phase Back up Earth fault operation at RAPPB end and Carrier send at RAPPB end.
							0.17	0.00	4.18	0.00	0.00	100.00	
CKT	220kV RAPPB(NPCIL)-RAPPC(NPCIL)	OMSU	29/04/22	12:25:00	29/04/22	16:38:00	0.18	0.00	4.22	0.00	0.00		* Tripped on B-N fault in their portion/substation. RAPPB-B-N/0.9KM, RAPPB-No flag registered.
							0.18	0.00	4.22	0.00	0.00	100.00	
CKT	220kV RAPPB(NPCIL)-UDAIPUR(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	

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 RATANGARH(RRVPNL)-SIKAR-1			00:00:00		00:00:00	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	100.00	
CKT	220kV-SAMAYPUR(HVPNL)-SEC58-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV-SAMAYPUR(HVPNL)-SEC58-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SANGANER(RRVPNL)-MANSROVAR(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV S.MADHOPUR(RRVPNL)-DAUSA(RRVPNL)SBBU		28/04/22	12:51:00	28/04/22	22:10:00	0.39	0.00	9.32	0.00	0.00	100.00	* Line tripped on B-N fault.FLR-Dausa-2.12km/Z-1,Sawaimadhoper-M-1-129.4km= ,M-2-117.1km/Z-2.Problem in busbar protection of RRVPNL during fault in 220KV Dausa-Sikrai <-> 220KV Alwar-Dausa line .Fault is in RRVPNL portion.
							0.39	0.00	9.32	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	100.00	
CKT	220kV SIKAR(RRVPNL)-SIKAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AGRA-JAIPUR SOUTH-1	LCSD	01/04/22	00:00:01	04/04/22	17:30:00	3.73	0.00	0.00	0.00	89.50	100.00	* Shutdown for line diversion works due to NHAI Highway. Line antitheft charged from Agra end to loc-470 at <-> from Jaispur(s) to loc-478 at .
							3.73	0.00	0.00	0.00	89.50	100.00	
CKT	400kV AGRA-JAIPUR SOUTH-2	LCSD	01/04/22	00:00:01	04/04/22	18:11:00	3.76	0.00	0.00	0.00	90.18	100.00	* Shutdown for line diversion works due to NHAI Highway. Line antitheft charged from Agra end to loc-470 at <-> from Jaispur(s) to loc-478 at .
							3.76	0.00	0.00	0.00	90.18	100.00	
CKT	400kV AGRA-SIKAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AGRA-SIKAR-2	OMST	09/04/22	11:56:00	09/04/22	17:51:00	0.25	5.92	0.00	0.00	0.00	99.18	* Tripped on B-N fault.FLR-Sikar-M-1-386km/1.40KA,M-2-384.15km/1.7ka= ,Agra-2km/34.18ka.Fault is in NR-III portion.Forced S/D by NR-III to attend pitting marks on B-Phase line isolator at Agra end.
							0.25	5.92	0.00	0.00	0.00	99.18	
CKT	400kV AJMER-AJMER(RRVPNL)-1			00:00:00		00:00:00	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	100.00	
CKT	400kV BABAI(RRVPNL)-SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-DEHRADUN	LHWT	28/04/22	16:05:00	29/04/22	00:53:00	0.37	8.80	0.00	0.00	0.00	98.78	* Line tripped on R-B fault.FLR-Baghat-26.5km/15KA,Dehradun -127.9KM/4.4 KA. Fault is in Roorkee TL portion. During patrolling found R-Phase Jumper broken at location no 367
							0.37	8.80	0.00	0.00	0.00	98.78	
CKT	400kV BAGPAT-MEERUT-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-MEERUT-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-SAHARANPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BALLABHGARH-NAVADA(HVPNL)	OSPD	04/04/22	09:07:00	04/04/22	18:43:00	0.40	0.00	0.00	0.00	9.60	100.00	* Shutdown by HVPNL for changing the 2000 AMP line isolator with 3150 AMP isolator at Nawada HVPNL end.
							0.40	0.00	0.00	0.00	9.60	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-2	LART	20/04/22	18:34:00	20/04/22	18:34:00	0.00	0.00	0.00	0.00	0.00	100.00	* Line auto reclose from both ends on B-N fault. FLR: Bassi-22.56Km/9.28Ka.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-JAIPUR SOUTH-1			00:00:00		00:00:00	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	100.00	
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			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BEAWAR(SREE CEMENT)-MERTA(RRVPNL)OSPT		05/04/22	08:35:00	05/04/22	19:14:00	0.44	10.65	0.00	0.00	0.00	98.52	* Shutdown for maintenance work such as refixing Cond. VD, Arcing horn, Grading ring and Corona control ring, jumper tightening etc.
							0.44	10.65	0.00	0.00	0.00	98.52	

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 BAHADURGARH-BAWANA(DTL)	LNCC	29/04/22	12:09:00	29/04/22	14:02:00	0.08	0.00	0.00	1.88	0.00		* Line tripped on B-N fault due to dense smoke caused by forest/stubble fire. Bahadurgarh-B-N/10.6KA/5.8KM; Bawana-B-N/38KM/8.2KA.
							0.08	0.00	0.00	1.88	0.00	100.00	
CKT	400kV BAHADURGARH-KABULPUR(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 BAHADURGARH-SONIPAT-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 BAHADURGARH-SONIPAT-2	OSPT	04/04/22	09:50:00	04/04/22	19:19:00	0.40	9.48	0.00	0.00	0.00		* Shutdown for Anchoring of Jumper at Tower Location 50 and 51.
							0.40	9.48	0.00	0.00	0.00	98.68	
CKT	400kV BHADLA-BHADLA(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 BHADLA-BHADLA(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-BHADLA(PG) R-BHADLA2-1			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-BHADLA(PG) R-BHADLA2-2			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 BASSI-BHIWADI-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 BHIWADI-KOTPUTLI	LEFT	19/04/22	07:50:00	19/04/22	12:21:00	0.19	4.52	0.00	0.00	0.00		* Tripped during Y-N Fault. FLR: Bhiwadi-97.67Km/4.02Ka, Kotputli-41.58Km/4.21Ka.
							0.19	4.52	0.00	0.00	0.00	99.37	
CKT	400kV BHIWADI-NEEMRANA-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 BHIWADI-NEEMRANA-2	LEFT	07/04/22	12:00:00	07/04/22	14:21:00	0.10	2.35	0.00	0.00	0.00		* Tripped on B-N fault.FLR: Neemrana-B-N/45.38Km/9.09KA, Bhiwadi- B-N/5.5Km/16.59KA.Fault in Bhiwadi TL jurisdiction.
							0.10	2.35	0.00	0.00	0.00	99.67	
CKT	400kV BHIWANI(BBMB)-BHIWANI			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 BHIWANI-JIND-1	OMSU	10/04/22	13:40:00	10/04/22	19:20:00	0.24	0.00	5.67	0.00	0.00		* Tripped on B-N fault.FLR:Jind-M-1-32.07km/8.30kA,M-2-30.60km/6.76kA= ,Bhiwani-M-1-51.18km/6.39kA,M-2-51.60km/6.30kA.Fault is in Bhiwani TL Jurisdiction. Tripping Caused by falling of very high tree b villagers just out side the ROW area which fell towards line on B-phase between T/Loc no-151-152. Line charged after removal of same.
							0.24	0.00	5.67	0.00	0.00	100.00	
CKT	400kV BHIWANI-JIND-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 BHIWANI-KABULPUR(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 BHINMAL-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	400kV BIKANER-BHADLA(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 BIKANER-BIKANER(RRVPNL)	OSFT	27/04/22	18:40:00	27/04/22	22:24:00	0.16	3.73	0.00	0.00	0.00		* Forced S/D to attend hot spot in R-Ph Line isolator (409-89L) at Bikaner(PG) end.
							0.17	0.00	0.00	0.00	4.17		* Shutdown by RRVPNL for quarterly maintenance work.
CKT	400kV BIKANER-BIKANER(RRVPNL)	OSPD	26/04/22	17:50:00	26/04/22	22:00:00	0.33	3.73	0.00	0.00	4.17	99.48	
CKT	400kV BAMNOLI(DTL)-TUGHLAKABD-1	LART	08/04/22	05:37:00	08/04/22	05:37:00	0.00	0.00	0.00	0.00	0.00		* Auto-reclosed successfully on B-N fault.FLR:Tughlakabad:M1:26.70 KM/9.30 kA ,M2:25.50 KM/9.30 kA.Bamnoli-M1:30.58 KM/8.50 kA,M2:28.30 KM.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAMNOLI(DTL)-TUGHLAKABD-2	OSFD	01/04/22	20:50:00	02/04/22	17:45:00	0.87	0.00	0.00	0.00	20.92		* "Line manually hand tripped by Bamnoli(DTL) end due to unbalance current at their end..Bay/protection at Bamnoli end belongs to DTL.* "
CKT	400kV BAMNOLI(DTL)-TUGHLAKABD-2	SEFU	01/04/22	00:00:01	01/04/22	19:42:00	0.82	0.00	19.70	0.00	0.00		* "Tripped on R-N Fault due to R-phase CT failure at Bamnoli(DTL) end.FLR:Tughlakabad-68Km/5.092KA.Bay/protection at Bamnoli end belongs to DTL.* "
							1.69	0.00	19.70	0.00	20.92	100.00	
CKT	400KV-BAREILY-MEERUT-3(LILO PART 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	100.00	
CKT	400KV-BAREILY-MEERUT-4(LILO PART 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	100.00	
CKT	400kV BAWANA(DTL)-BHIWANI			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 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)	OSPD	18/04/22	11:43:00	18/04/22	13:46:00	0.09	0.00	0.00	0.00	2.05		* S/D by NTPC Dadri for replacment of power swing energy meter at their end.

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-JHATIKARA-DWARKA-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV JHATIKARA-MUNDKA(DTL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV JHATIKARA-MUNDKA(DTL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV KAITHAL-HISAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV KAITHAL-HISAR-2	LART	25/04/22	20:08:00	25/04/22	20:08:00	0.00	0.00	0.00	0.00	0.00	100.00	* Line Auto-reclose on B-N Fault. FLR: Hissar-69.16Km/4.95Ka, Kaithal-34.4Km/8.6Ka. Fault under Hissar TL jurisdiction.
CKT	400KV KAITHAL-HISAR-2	OSFT	27/04/22	10:48:00	27/04/22	15:05:00	0.18	4.28	0.00	0.00	0.00	99.41	* Forced S/D to replace the broken jumper anchoring insulator at LOC 473.
CKT	400KV KANKROLI-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV KANKROLI-JODHPUR(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV KOTA-BEAWAR(SREE CEMENT)	OSPT	06/04/22	09:36:00	06/04/22	18:30:00	0.37	8.90	0.00	0.00	0.00	98.76	* Shutdown for maintenance work such as refixing Cond. VD, Arcing horn, Grading ring and Corona control ring, jumper tightening etc.
CKT	400KV KOTA-MERTA(RRVPNL)	LART	21/04/22	11:14:00	21/04/22	11:14:00	0.00	0.00	0.00	0.00	0.00	100.00	* Line autoreclosed successfully during B-N fault. FLR: Kota-M1-185KM/1.7KA, M-2-196.1KM/1.7KA, M2-196.1KM/1.8KA. Merta-110.69KM/2.38KA. Fault is in Ajmer TL.
CKT	400KV KOTPUTLI-BASSI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-2	LART	14/04/22	15:14:00	14/04/22	15:14:00	0.00	0.00	0.00	0.00	0.00	100.00	* Line autoreclose on B-N fault. Koteswar(PG)-2.7KM/6.65KA. Fault under Koteswar TL jurisdiction.
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-2	LEFT	14/04/22	15:16:00	14/04/22	15:54:00	0.03	0.63	0.00	0.00	0.00	99.91	* Line tripped from Koteswar(PG) end only and remain charged from KHEP end. FLR: Koteswar(PG)-B-N/1.5KM/7.89KA. Line patrolling done but nothing found abnormal.
CKT	400KV KOTESHWAR-TEHR(THDC)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV KOTESHWAR-TEHR(THDC)-2			00:00:00		00:00:00	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	100.00	
CKT	400KV MANESAR-SOHNA(STERLITE)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MAHARANIBAGH-BALLABHGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-BAWANA-AC-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-BAWANA-AC-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-MANDOLA-AC-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-MANDOLA-AC-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV HAPUR(UPPTCL)-MORADABAD(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	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	
CKT	400KV MEERUT-MANDOLA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MEERUT-MANDOLA-3			00:00:00		00:00:00	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	
CKT	400KV MEERUT-MUZAFFARNAGAR(UPPTCL)	LART	08/04/22	00:39:00	08/04/22	00:39:00	0.00	0.00	0.00	0.00	0.00	100.00	* Auto-reclosed successfully on Y-N fault.FLR:Meerut:25.057 KM/13.446 KA,Muzaffarngr-M1:8.44 KM/10.74kA,M2:8.8 KM /10.27 KA,Fault under Meerut TL jurisdiction.
CKT	400KV NEEMRANA-BABAI(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV NEEMRANA-MANESAR-1	LCSD	08/04/22	09:31:00	21/04/22	20:15:00	13.45	0.00	0.00	0.00	322.73		* Shutdown for Diversion work due to NCRTC.S/D upto 22.04.2022.

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
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	GGDC	25/04/22	20:48:00	25/04/22	22:05:00	0.05	0.00	0.00	1.28	0.00	100.00	* Line Reactor got tripped due to auto-recloser of line as this line is over compensated and hence it is a system requirement that line reactor must trip on auto reclosure of line as per protection scheme.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	03/04/22	11:33:00	05/04/22	17:21:00	2.24	0.00	0.00	1.28	35.95	100.00	* Hand tripped on Voltage Regulation. Voltage-763 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	01/04/22	11:37:00	01/04/22	16:16:00	0.19	0.00	0.00	0.00	4.65	100.00	* Hand tripped on Voltage Regulation. Voltage-750 KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	OSFT	25/04/22	09:46:00	25/04/22	11:50:00	0.09	2.07	0.00	0.00	0.00	99.71	* Forced Shutdown to attend high WTI/OTI temperature in B-phase Unit.
LNR	240MVAR,SWLR OF MEERUT AT BHIWANI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF KANKAROLI AT BHINMAL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	330MVAR,SWLR OF BHADLA2-1 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	330MVAR,SWLR OF BHADLA2-2 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	330MVAR,SWLR OF MOGA-1 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	330MVAR,SWLR OF MOGA-2 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHADLA-2 AT BIKANER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHADLA-1 AT BIKANER	OSFT	08/04/22	10:02:00	08/04/22	15:51:00	0.24	5.82	0.00	0.00	0.00	99.19	* Forced shutdown to attend oil leakage from top of the tank of B-ph reactor.
LNR	240MVAR,SWLR OF BANSKANTA-2 AT CHITORG			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BANSKANTA-1 AT CHITORG			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF AJMER-2 AT CHITTORGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF AJMER-1 AT CHITTORGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHADLA1-2 AT FATEHGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHADLA1-1 AT FATEHGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHIWANI-2 AT PHAGI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHIWANI-1 AT PHAGI	OMST	23/04/22	11:12:00	23/04/22	18:17:00	0.30	7.08	0.00	0.00	0.00	99.02	* Line reactor tripped due to operation of WTI B-Ph. Charged after replacement of WTI meter.
LNR	240MVAR,SWLR OF AGRA AT JHATIKARA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	330MVAR,LR OF ALIGARH AT JHATIKARA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF ZERDA AT KANKROLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF GR.NOIDA AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF AGRA-2 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF AGRA-1 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
SVC	- 300/+ 400MVAR SVC AT KANKROLI	OSPT	07/04/22	08:06:00	07/04/22	19:20:00	0.47	11.23	0.00	0.00	0.00	95.54	* Shutdown for annual maintenance planned work.
SVC	- 300/+ 400MVAR SVC AT KANKROLI	OSPT	09/04/22	09:12:00	09/04/22	17:42:00	0.35	8.50	0.00	0.00	0.00	95.54	* Shutdown for annual maintenance planned work.
SVC	- 300/+ 400MVAR SVC AT KANKROLI	SRMT	09/04/22	23:35:00	10/04/22	00:33:00	0.04	0.97	0.00	0.00	0.00	95.54	* Tripped due to mal-function of deluge valve of Y phase coupling transformer.
SVC	- 300/+ 400MVAR SVC AT KANKROLI	OSPT	08/04/22	08:07:00	08/04/22	19:33:00	0.48	11.43	0.00	0.00	0.00	95.54	* Shutdown for annual maintenance planned work.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LPRD	07/04/22	14:22:00	22/04/22	23:48:00	15.39	0.00	0.00	0.00	369.43	99.52	* Hand tripped on Voltage Regulation.KKR-428 KV.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OMST	29/04/22	10:59:00	29/04/22	14:26:00	0.14	3.45	0.00	0.00	0.00	99.52	* Blocked due to Valve Hall Fire protection operation Kurukshetra end.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	02/04/22	21:46:00	04/04/22	17:04:00	1.80	0.00	0.00	0.00	43.30	99.52	* Hand tripped on Voltage Regulation.KKR-420 KV.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	02/04/22	21:47:00	04/04/22	16:49:00	1.79	0.00	0.00	0.00	43.03	99.52	* Hand tripped on Voltage Regulation.KKR-420 KV.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LPRD	07/04/22	14:22:00	30/04/22	12:53:00	22.94	0.00	0.00	0.00	550.52	100.00	* Hand tripped on Voltage Regulation.KKR-428 KV.
							24.73	0.00	0.00	0.00	593.55	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
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	LPRD	05/04/22	11:52:00	17/04/22	17:12:00	12.22	0.00	0.00	0.00	293.33		* Hand tripped on Voltage Regulation.KKR-422 KV.* 20.04.2022 12:24:21 INDIA Bhupendra Garg (60011877)* Manually opened due to TTC violation in WR-NR path.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	LPRD	18/04/22	10:30:00	30/04/22	11:08:00	12.03	0.00	0.00	0.00	288.63		* Manually opened due to TTC violation in WR-NR path.* 20.04.2022 12:25:15 INDIA Bhupendra Garg (60011877)* Manually opened due to TTC violation in WR-NR path.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSFT	30/04/22	11:09:00	30/04/22	14:42:00	0.15	3.55	0.00	0.00	0.00		* Forced shutdown to attend problem in Pole-3 switchgear at Kurukshetra. end.
							24.40	3.55	0.00	0.00	581.96	99.51	
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	LPRD	05/04/22	11:52:00	25/04/22	17:43:00	20.24	0.00	0.00	0.00	485.85		* Hand tripped on Voltage Regulation.KKR-422 KV.* 20.04.2022 12:24:54 INDIA Bhupendra Garg (60011877)* Manually opened due to TTC violation in WR-NR path.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OMST	26/04/22	22:35:00	27/04/22	00:30:00	0.08	1.92	0.00	0.00	0.00		* Blocked due to the group relay Burn out at kurukshetra end.
VALVE_HALL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OMST	28/04/22	20:17:00	28/04/22	21:43:00	0.06	1.43	0.00	0.00	0.00		* Tripped on DC line fault protection operated. LFL not trigger at Both end.
							20.38	3.35	0.00	0.00	485.85	99.53	
XMER	1500MVA,765/400kV ICT-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	100.00	
XMER	1500MVA,765/400kV ICT-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	100.00	
XMER	500MVA,400/220kV ICT-1 AT BAGPAT			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	
XMER	500MVA,400/220kV ICT-2 AT BAGPAT			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	
XMER	500MVA,400/220kV ICT-1 AT BALLABGARH			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	
XMER	500MVA,400/220kV ICT-2 AT BALLABGARH			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	
XMER	500MVA,400/220kV ICT-3 AT BALLABGARH			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	
XMER	500MVA,400/220kV ICT-4 AT BALLABGARH			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	
XMER	315MVA,400/220kV ICT-1 AT 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	100.00	
XMER	315MVA,400/220kV ICT-2 AT 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	100.00	
XMER	500MVA,400/220kV ICT-3 AT 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	100.00	
XMER	1500MVA,765/400kV ICT-1 AT BHADLA-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	
XMER	1500MVA,765/400kV ICT-2 AT BHADLA-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	
XMER	500MVA,400/220kV ICT-4 AT BHADLA-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	
XMER	315MVA,400/220kV ICT-1 AT BAHADURGARH			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	
XMER	500MVA,400/220kV ICT-2 AT BAHADURGARH			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	
XMER	500MVA,400/220kV ICT-1 AT BADHLA			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	
XMER	1500MVA,765/400kV ICT-1 AT BADHLA			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	
XMER	500MVA,400/220kV ICT-2 AT BADHLA			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	
XMER	1500MVA,765/400kV ICT-2 AT BADHLA			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	
XMER	500MVA,400/220kV ICT-3 AT BADHLA			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	
XMER	1500MVA,765/400kV ICT-3 AT BADHLA			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	
XMER	500MVA,400/220kV ICT-4 AT BHADLA			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	
XMER	500MVA,400/220kV ICT-5 AT BADHLA			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	
XMER	500MVA,400/220kV ICT-6 AT BHADLA	SRMT	20/04/22	13:12:00	20/04/22	14:34:00	0.06	1.37	0.00	0.00	0.00		* Tripped due to mal operation of SPR relay at Bhadla PG.
							0.06	1.37	0.00	0.00	0.00	99.81	
XMER	500MVA,400/220kV ICT-7 AT BADHLA			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	
XMER	315MVA,400/220kV ICT-1 AT BHIWADI			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	
XMER	315MVA,400/220kV ICT-2 AT BHIWADI	OSPT	07/04/22	06:17:00	14/04/22	12:37:00	7.26	174.33	0.00	0.00	0.00		* Shutdown for Internal Inspection due to rising of fault gases.S/D upto 15.04.22.
							7.26	174.33	0.00	0.00	0.00	75.79	

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-3 AT BHIWADI			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 BHIWANI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1000MVA,765/400kV ICT-1 AT BHIWANI			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 BHIWANI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1000MVA,765/400kV ICT-2 AT BHIWANI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1000MVA,765/400kV ICT-3 AT BHIWANI			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 BHINMAL			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 BHINMAL	OSFT	07/04/22	17:56:00	07/04/22	20:15:00	0.10	2.32	0.00	0.00	0.00	99.68	* Forced shutdown to attend oil leakage from 400 KV side B-phase Bushing of ICT-2.
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	OSPT	04/04/22	10:53:00	04/04/22	14:28:00	0.15	3.58	0.00	0.00	0.00	99.50	* Shutdown for B-phase hot spare changeover work.
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	500MVA,400/220kV ICT-5 AT FATEHGARH-2	OSPT	13/04/22	08:21:00	28/04/22	14:41:00	15.26	366.33	0.00	0.00	0.00	49.12	* Shutdown for internal inspection of ICT. Shutdown upto 21.04.2022.
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	OSPT	08/04/22	09:00:00	08/04/22	18:14:00	0.39	9.23	0.00	0.00	0.00	98.72	* Shutdown for annual maintenance planned work.
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			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	
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	100.00	
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			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 JHATIKARA			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 JHATIKARA			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 JHATIKARA			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 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	OMST	12/04/22	12:59:00	12/04/22	17:26:00	0.19	4.45	0.00	0.00	0.00	99.38	* Tripped due to mal operation of LBB in Bay 207 of 220KV JIND-MUND-I at JIND.
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	
XMER	315MVA,400/220kV ICT-2 AT KANKROLI	OSPT	25/04/22	07:09:00	25/04/22	18:49:00	0.49	11.67	0.00	0.00	0.00	98.38	* Shutdown for annual maintenance work.
XMER	315MVA,400/220kV ICT-3 AT KANKROLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
XMER	800MVA,765/400kV ICT-1 AT KOTESHWAR	OSPT	23/04/22	11:49:00	23/04/22	18:53:00	0.29	7.07	0.00	0.00	0.00	99.02	* Shutdown for CSD fine tuning work.
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	
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	
XMER	800MVA,765/400kV ICT-4 AT KOTESHWAR			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 KOTA			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 KOTA			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 KOTPUTLI			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 KOTPUTLI			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 KURUKSHETRA			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 KURUKSHETRA			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 MANDOLA			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 MANDOLA			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 MANDOLA			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 MANDOLA			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 MANESAR	OSPT	07/04/22	07:37:00	07/04/22	19:42:00	0.50	12.08	0.00	0.00	0.00	98.32	* Shutdown for annual maintenance planned work.
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	
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	
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	
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	
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	
XMER	315MVA,400/220kV ICT-1 AT MEERUT	OSPT	07/04/22	08:55:00	07/04/22	18:03:00	0.38	9.13	0.00	0.00	0.00	98.73	* Shutdown for annual maintenance planned work.
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	
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	
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	

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	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			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 MUZAFFARNAGAR			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 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			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 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	OSPT	08/04/22	10:08:00	18/04/22	19:15:00	10.38	249.12	0.00	0.00	0.00		* Shutdown for annual maintenance planned work.S/D extended upto 09.04.22 because the Tan delta value is violating permissible limit in B-ph IV Bushing.
XMER	500MVA,400/220kV ICT-2 AT TUGHLAKABAD			00:00:00		00:00:00	10.38	249.12	0.00	0.00	0.00	65.40	
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	
							482.81	1,308.09	64.26	10.06	10,201.29		