

## Standard of Performance data for the month of Nov-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	SVRD	14-11-2022	10:37:00	14-11-2022	15:08:00	0.19	0.00	0.00	0.00	4.52		* BR opened on voltage regulation. Voltage- 400KV.
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	28-11-2022	11:20:00	28-11-2022	15:43:00	0.18	0.00	0.00	0.00	4.38		* BR opened on voltage regulation. Voltage-399KV.
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	18-11-2022	10:27:00	18-11-2022	14:48:00	0.18	0.00	0.00	0.00	4.35		* BR opened on voltage regulation.Voltage-398kV.
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	23-11-2022	09:18:00	23-11-2022	16:10:00	0.29	0.00	0.00	0.00	6.87		* BR opened on voltage regulation. Voltage-400kV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	17-11-2022	11:25:00	17-11-2022	13:58:00	0.11	0.00	0.00	0.00	2.55		* BR opened on voltage regulation; Voltage- 400 KV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	22-11-2022	10:55:00	22-11-2022	15:53:00	0.21	0.00	0.00	0.00	4.97		* BR opened on voltage regulation. Voltage-398kV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	27-11-2022	10:38:00	27-11-2022	15:46:00	0.21	0.00	0.00	0.00	5.13		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	07-11-2022	11:08:00	07-11-2022	17:40:00	0.27	0.00	0.00	0.00	6.53		* BR opened on voltage regulation. Voltage- 398KV.
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	21-11-2022	12:43:00	21-11-2022	15:31:00	0.12	0.00	0.00	0.00	2.80		* BR opened on voltage regulation. Voltage:402kV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	04-11-2022	10:31:00	04-11-2022	21:23:00	0.45	0.00	0.00	0.00	10.87		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	24-11-2022	10:14:00	24-11-2022	16:04:00	0.24	0.00	0.00	0.00	5.83		* BR opened on voltage regulation. Voltage-399KV** 24-11-2022 10:14:00 (Code - 6434)
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	20-11-2022	09:47:00	20-11-2022	14:58:00	0.22	0.00	0.00	0.00	5.18		* BR opened on voltage regulation. Voltage:398kV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	19-11-2022	11:27:00	19-11-2022	15:39:00	0.18	0.00	0.00	0.00	4.20		* BR opened on voltage regulation. Voltage:398kV
BSR	125MVAR,BUS REACTOR-1 AT AJMER	SVRD	25-11-2022	10:26:00	25-11-2022	15:36:00	0.22	0.00	0.00	0.00	5.17		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 10:26:00 (Code - 6775)
							3.07	0.00	0.00	0.00	73.35	100.00	
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	24-11-2022	10:16:00	24-11-2022	14:59:00	0.20	0.00	0.00	0.00	4.72		* BR opened on voltage regulation. Voltage-768KV** 24-11-2022 10:16:00 (Code - 6466)
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	28-11-2022	10:35:00	28-11-2022	13:58:00	0.14	0.00	0.00	0.00	3.38		

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**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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	23-11-2022	10:32:00	23-11-2022	14:49:00	0.18	0.00	0.00	0.00	4.28		* BR opened on voltage regulation. Voltage-764kV
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	07-11-2022	10:46:00	07-11-2022	15:44:00	0.21	0.00	0.00	0.00	4.97		* BR opened on voltage regulation. Voltage- 766KV.
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	10-11-2022	11:18:00	10-11-2022	15:13:00	0.16	0.00	0.00	0.00	3.92		* BR opened on voltage regulation. Voltage-766kV
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	04-11-2022	12:36:00	04-11-2022	15:08:00	0.11	0.00	0.00	0.00	2.53		* BR opened on voltage regulation
BSR	240MVAR,BUS REACTOR-1 AT AJMER	SVRD	25-11-2022	10:35:00	25-11-2022	13:45:00	0.13	0.00	0.00	0.00	3.17		* BR opened on voltage regulation. Voltage-760KV** 25-11-2022 10:35:00 (Code - 6782)
							1.13	0.00	0.00	0.00	26.97	100.00	
BSR	125MVAR,BUS REACTOR-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	
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	03-11-2022	07:27:00	03-11-2022	22:09:00	0.61	0.00	0.00	0.00	14.70		* BR opened on voltage regulation. Voltage-397KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	28-11-2022	09:21:00	28-11-2022	17:38:00	0.35	0.00	0.00	0.00	8.28		* BR opened on voltage regulation. Voltage-392kV
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	18-11-2022	09:42:00	18-11-2022	16:25:00	0.28	0.00	0.00	0.00	6.72		* BR opened on voltage regulation. Voltage-393kV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	23-11-2022	09:21:00	23-11-2022	20:08:00	0.45	0.00	0.00	0.00	10.78		* BR opened on voltage regulation. Voltage-398kV
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	26-11-2022	09:14:00	26-11-2022	17:59:00	0.37	0.00	0.00	0.00	8.75		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	29-11-2022	09:57:00	29-11-2022	15:05:00	0.21	0.00	0.00	0.00	5.13		* BR opened on voltage regulation. Voltage-391KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	30-11-2022	09:42:00	30-11-2022	15:36:00	0.25	0.00	0.00	0.00	5.90		* BR opened on voltage regulation. Voltage-391KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	21-11-2022	09:58:00	21-11-2022	16:13:00	0.26	0.00	0.00	0.00	6.25		* BR opened on voltage regulation. Voltage:391 KV
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	16-11-2022	09:48:00	16-11-2022	15:43:00	0.25	0.00	0.00	0.00	5.92		* BR opened on voltage regulation. V-396kV
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	22-11-2022	09:36:00	22-11-2022	16:40:00	0.29	0.00	0.00	0.00	7.07		* BR opened on voltage regulation. Voltage-396kV.

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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	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	22-11-2022	09:32:00	22-11-2022	16:34:00	0.29	0.00	0.00	0.00	7.03		* BR opened on voltage regulation. Voltage-396kV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	24-11-2022	09:54:00	25-11-2022	16:10:00	1.26	0.00	0.00	0.00	30.27		* BR opened on voltage regulation. Voltage-385KV** 24-11-2022 09:54:00 (Code - 6438)
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	17-11-2022	09:57:00	17-11-2022	19:47:00	0.41	0.00	0.00	0.00	9.83		* BR opened on voltage regulation; Voltage- 394KV
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	27-11-2022	09:43:00	27-11-2022	15:39:00	0.25	0.00	0.00	0.00	5.93		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-1 AT BASSI	SVRD	15-11-2022	09:50:00	15-11-2022	20:45:00	0.46	0.00	0.00	0.00	10.92		* BR opened on voltage regulation. Voltage-396KV.
							5.99	0.00	0.00	0.00	143.48	100.00	
BSR	50MVAR,BUS REACTOR-2 AT BASSI	OSFT	16-11-2022	15:54:00	16-11-2022	18:33:00	0.11	2.65	0.00	0.00	0.00		* Emergency Shutdown to attend hotspot on R Phase of Reactor Isolator .
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	29-11-2022	10:25:00	29-11-2022	16:36:00	0.26	0.00	0.00	0.00	6.18		* BR opened on voltage regulation. Voltage-387KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	25-11-2022	09:46:00	25-11-2022	16:12:00	0.27	0.00	0.00	0.00	6.43		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 09:46:00 (Code 6747)
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	30-11-2022	09:39:00	30-11-2022	21:37:00	0.50	0.00	0.00	0.00	11.97		* BR opened on voltage regulation. Voltage-391KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	21-11-2022	11:03:00	21-11-2022	16:25:00	0.22	0.00	0.00	0.00	5.37		* BR opened on voltage regulation. Voltage:394kV
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	18-11-2022	11:25:00	18-11-2022	16:27:00	0.21	0.00	0.00	0.00	5.03		* BR opened on voltage regulation. Voltage-420KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	26-11-2022	09:30:00	26-11-2022	17:58:00	0.35	0.00	0.00	0.00	8.47		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	15-11-2022	09:52:00	15-11-2022	21:35:00	0.49	0.00	0.00	0.00	11.72		* BR opened on voltage regulation. Voltage-397KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	27-11-2022	09:43:00	27-11-2022	19:14:00	0.40	0.00	0.00	0.00	9.52		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	06-11-2022	11:54:00	06-11-2022	15:42:00	0.16	0.00	0.00	0.00	3.80		* BR opened on voltage regulation. Voltage-399KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	28-11-2022	10:38:00	28-11-2022	17:29:00	0.29	0.00	0.00	0.00	6.85		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT BASSI	SVRD	13-11-2022	11:16:00	13-11-2022	15:13:00	0.17	0.00	0.00	0.00	3.95		* BR opened on voltage regulation. Voltage-392KV.

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Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
							3.43	2.65	0.00	0.00	79.29	99.63	
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	13-11-2022	11:16:00	13-11-2022	15:13:00	0.17	0.00	0.00	0.00	3.95		* BR opened on voltage regulation. Voltage-393KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	28-11-2022	10:38:00	28-11-2022	17:28:00	0.29	0.00	0.00	0.00	6.83		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	18-11-2022	11:24:00	18-11-2022	16:24:00	0.21	0.00	0.00	0.00	5.00		* BR opened on voltage regulation. Voltage-420KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	27-11-2022	09:44:00	27-11-2022	19:14:00	0.40	0.00	0.00	0.00	9.50		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	22-11-2022	09:36:00	22-11-2022	16:40:00	0.29	0.00	0.00	0.00	7.07		* BR opened on voltage regulation. Voltage-396kV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	25-11-2022	09:46:00	25-11-2022	16:13:00	0.27	0.00	0.00	0.00	6.45		* BR opened on voltage regulation. Voltage-398KV.** 25-11-2022 09:46:00 (Code 6748)
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	21-11-2022	11:03:00	21-11-2022	16:27:00	0.23	0.00	0.00	0.00	5.40		* BR opened on voltage regulation. Voltage:394kV
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	30-11-2022	09:39:00	30-11-2022	21:36:00	0.50	0.00	0.00	0.00	11.95		* BR opened on voltage regulation. Voltage-391KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	29-11-2022	10:25:00	29-11-2022	16:37:00	0.26	0.00	0.00	0.00	6.20		* BR opened on voltage regulation. Voltage-387KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	06-11-2022	11:55:00	06-11-2022	15:41:00	0.16	0.00	0.00	0.00	3.77		* BR opened on voltage regulation. Voltage-399KV.
BSR	50MVAR,BUS REACTOR-3 AT BASSI	SVRD	26-11-2022	09:30:00	26-11-2022	17:57:00	0.35	0.00	0.00	0.00	8.45		* BR opened on voltage regulation. Voltage-395KV.
							3.13	0.00	0.00	0.00	74.57	100.00	
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	04-11-2022	08:58:00	12-11-2022	20:00:00	8.46	0.00	0.00	0.00	203.03		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	03-11-2022	07:27:00	03-11-2022	17:16:00	0.41	0.00	0.00	0.00	9.82		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	14-11-2022	09:50:00	14-11-2022	15:52:00	0.25	0.00	0.00	0.00	6.03		* BR opened on voltage regulation. Voltage -398KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	19-11-2022	09:44:00	19-11-2022	15:20:00	0.23	0.00	0.00	0.00	5.60		* BR opened on voltage regulation. Voltage:398kV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	18-11-2022	09:40:00	18-11-2022	16:07:00	0.27	0.00	0.00	0.00	6.45		* BR opened on voltage regulation. Voltage-393kV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	28-11-2022	09:21:00	28-11-2022	17:39:00	0.35	0.00	0.00	0.00	8.30		* BR opened on voltage regulation. Voltage-391KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	01-11-2022	10:40:00	01-11-2022	15:14:00	0.19	0.00	0.00	0.00	4.57		* BR opened on voltage regulation. Voltage-398KV.

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BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	26-11-2022	09:14:00	26-11-2022	16:31:00	0.30	0.00	0.00	0.00	7.28		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	21-11-2022	09:58:00	21-11-2022	16:11:00	0.26	0.00	0.00	0.00	6.22		* BR opened on voltage regulation. Voltage:391 KV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	17-11-2022	09:57:00	17-11-2022	17:20:00	0.31	0.00	0.00	0.00	7.38		* BR opened on voltage regulation; Voltage- 394KV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	30-11-2022	09:42:00	30-11-2022	15:37:00	0.25	0.00	0.00	0.00	5.92		* BR opened on voltage regulation. Voltage-754KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	29-11-2022	09:57:00	29-11-2022	15:06:00	0.22	0.00	0.00	0.00	5.15		* BR opened on voltage regulation. Voltage-391KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	23-11-2022	09:21:00	23-11-2022	16:42:00	0.31	0.00	0.00	0.00	7.35		* BR opened on voltage regulation. Voltage-396kV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	16-11-2022	09:44:00	16-11-2022	15:44:00	0.25	0.00	0.00	0.00	6.00		* BR opened on voltage regulation. Voltage-396kV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	22-11-2022	09:32:00	22-11-2022	16:35:00	0.29	0.00	0.00	0.00	7.05		* BR opened on voltage regulation. Voltage-396kV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	27-11-2022	09:23:00	27-11-2022	15:38:00	0.26	0.00	0.00	0.00	6.25		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	24-11-2022	09:54:00	25-11-2022	16:09:00	1.26	0.00	0.00	0.00	30.25		* BR opened on voltage regulation. Voltage-382KV** 24-11-2022 09:54:00 (Code - 6437)
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	20-11-2022	09:23:00	20-11-2022	15:09:00	0.24	0.00	0.00	0.00	5.77		* BR opened on voltage regulation. Voltage:391kV
BSR	125MVAR,BUS REACTOR-4 AT BASSI	SVRD	15-11-2022	09:50:00	15-11-2022	16:49:00	0.29	0.00	0.00	0.00	6.98		* BR opened on voltage regulation. Voltage-397KV.
							14.40	0.00	0.00	0.00	345.40	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	11-11-2022	09:47:00	11-11-2022	15:31:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	28-11-2022	09:46:00	28-11-2022	16:14:00	0.27	0.00	0.00	0.00	6.47		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	06-11-2022	09:39:00	06-11-2022	14:32:00	0.20	0.00	0.00	0.00	4.88		* BR opened on voltage regulation. Voltage-400KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	25-11-2022	09:20:00	25-11-2022	16:03:00	0.28	0.00	0.00	0.00	6.72		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 09:20:00 (Code - 6726)
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	02-11-2022	10:13:00	02-11-2022	16:01:00	0.24	0.00	0.00	0.00	5.80		* BR opened on voltage regulation.Voltage-395kV

## Standard of Performance data for the month of Nov-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 BHADLA-2	SVRD	01-11-2022	10:09:00	01-11-2022	14:45:00	0.19	0.00	0.00	0.00	4.60		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	04-11-2022	09:00:00	05-11-2022	14:41:00	1.24	0.00	0.00	0.00	29.68		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	07-11-2022	09:59:00	07-11-2022	15:43:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	12-11-2022	09:06:00	12-11-2022	15:58:00	0.29	0.00	0.00	0.00	6.87		* BR opened on voltage regulation. Voltage-400KV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	15-11-2022	09:51:00	15-11-2022	15:40:00	0.24	0.00	0.00	0.00	5.82		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	13-11-2022	10:26:00	13-11-2022	15:06:00	0.19	0.00	0.00	0.00	4.67		* BR opened on voltage regulation. Voltage-396KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	19-11-2022	08:45:00	19-11-2022	15:34:00	0.28	0.00	0.00	0.00	6.82		* BR opened on voltage regulation. Voltage:400kV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	17-11-2022	10:09:00	17-11-2022	13:32:00	0.14	0.00	0.00	0.00	3.38		* BR opened on voltage regulation; Voltage- 395 KV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	08-11-2022	22:24:00	09-11-2022	14:32:00	0.67	0.00	0.00	0.00	16.13		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	24-11-2022	09:55:00	24-11-2022	15:56:00	0.25	0.00	0.00	0.00	6.02		* BR opened on voltage regulation. Voltage-396KV** 24-11-2022 09:55:00 (Code - 6431)
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	16-11-2022	08:12:00	16-11-2022	15:50:00	0.32	0.00	0.00	0.00	7.63		* BR opened on voltage regulation,V-407KV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	14-11-2022	09:24:00	14-11-2022	16:06:00	0.28	0.00	0.00	0.00	6.70		* BR opened on voltage regulation. Voltage - 400KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	03-11-2022	09:33:00	03-11-2022	13:26:00	0.16	0.00	0.00	0.00	3.88		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	10-11-2022	10:23:00	10-11-2022	16:28:00	0.25	0.00	0.00	0.00	6.08		* BR opened on voltage regulation. Voltage-398kV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	18-11-2022	10:01:00	18-11-2022	15:19:00	0.22	0.00	0.00	0.00	5.30		* BR opened on voltage regulation. Voltage-399kV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	26-11-2022	09:26:00	26-11-2022	13:15:00	0.16	0.00	0.00	0.00	3.82		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	30-11-2022	09:02:00	30-11-2022	16:11:00	0.30	0.00	0.00	0.00	7.15		* BR opened on voltage regulation. Voltage-397KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	29-11-2022	09:12:00	29-11-2022	15:06:00	0.25	0.00	0.00	0.00	5.90		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	21-11-2022	09:19:00	21-11-2022	15:17:00	0.25	0.00	0.00	0.00	5.97		* BR opened on voltage regulation. Voltage:394kV

## Standard of Performance data for the month of Nov-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 BHADLA-2	SVRD	23-11-2022	09:18:00	23-11-2022	15:40:00	0.27	0.00	0.00	0.00	6.37		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	20-11-2022	09:24:00	20-11-2022	15:09:00	0.24	0.00	0.00	0.00	5.75		* BR opened on voltage regulation. Voltage:397 kV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	08-11-2022	08:28:00	08-11-2022	15:13:00	0.28	0.00	0.00	0.00	6.75		* BR opened on voltage regulation.Voltage-404KV
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	22-11-2022	08:58:00	22-11-2022	15:38:00	0.28	0.00	0.00	0.00	6.67		* BR opened on voltage regulation. Voltage-395kV.
BSR	125MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	27-11-2022	09:49:00	27-11-2022	14:25:00	0.19	0.00	0.00	0.00	4.60		* BR opened on voltage regulation. Voltage-395KV.
							8.41	0.00	0.00	0.00	201.89	100.00	
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	27-11-2022	09:52:00	27-11-2022	13:45:00	0.16	0.00	0.00	0.00	3.88		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	15-11-2022	09:57:00	15-11-2022	15:37:00	0.24	0.00	0.00	0.00	5.67		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	12-11-2022	09:41:00	12-11-2022	15:37:00	0.25	0.00	0.00	0.00	5.93		* BR opened on voltage regulation,Voltage-773KV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	30-11-2022	09:37:00	30-11-2022	15:15:00	0.24	0.00	0.00	0.00	5.63		* BR opened on voltage regulation. Voltage-754KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	22-11-2022	09:26:00	22-11-2022	15:44:00	0.26	0.00	0.00	0.00	6.30		* BR opened on voltage regulation. Voltage-760kV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	07-11-2022	10:02:00	07-11-2022	15:04:00	0.21	0.00	0.00	0.00	5.03		* BR opened on voltage regulation. Voltage-760 KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	23-11-2022	09:25:00	23-11-2022	15:15:00	0.24	0.00	0.00	0.00	5.83		* BR opened on voltage regulation. Voltage-760kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	21-11-2022	09:25:00	21-11-2022	14:56:00	0.23	0.00	0.00	0.00	5.52		* BR opened on voltage regulation. Voltage:758KV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	29-11-2022	09:36:00	29-11-2022	14:51:00	0.22	0.00	0.00	0.00	5.25		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	24-11-2022	09:46:00	24-11-2022	15:41:00	0.25	0.00	0.00	0.00	5.92		* BR opened on voltage regulation. Voltage-755KV** 24-11-2022 09:46:00 (Code - 6448)
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	16-11-2022	10:16:00	16-11-2022	15:10:00	0.20	0.00	0.00	0.00	4.90		* BR opened on voltage regulation. V-755kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	13-11-2022	09:22:00	13-11-2022	14:57:00	0.23	0.00	0.00	0.00	5.58		* BR opened on voltage regulation. Voltage-757KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	03-11-2022	09:04:00	03-11-2022	15:10:00	0.25	0.00	0.00	0.00	6.10		* BR opened on voltage regulation. Voltage-761KV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	18-11-2022	09:14:00	18-11-2022	15:16:00	0.25	0.00	0.00	0.00	6.03		* BR opened on voltage regulation. Voltage-756kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	28-11-2022	09:41:00	28-11-2022	14:48:00	0.21	0.00	0.00	0.00	5.12		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	04-11-2022	08:47:00	04-11-2022	14:58:00	0.26	0.00	0.00	0.00	6.18		* BR opened on voltage regulation
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	09-11-2022	10:15:00	09-11-2022	15:17:00	0.21	0.00	0.00	0.00	5.03		* BR opened on voltage regulation. Voltage-760kV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	11-11-2022	10:16:00	11-11-2022	14:27:00	0.17	0.00	0.00	0.00	4.18		* BR opened on voltage regulation. Voltage-765kV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	01-11-2022	09:08:00	01-11-2022	15:12:00	0.25	0.00	0.00	0.00	6.07		* BR opened on voltage regulation. Volatge-764KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	02-11-2022	09:33:00	02-11-2022	15:16:00	0.24	0.00	0.00	0.00	5.72		* BR opened on voltage regulation. Voltage-759kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	10-11-2022	09:19:00	10-11-2022	15:33:00	0.26	0.00	0.00	0.00	6.23		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	05-11-2022	09:11:00	05-11-2022	15:45:00	0.27	0.00	0.00	0.00	6.57		* BR opened on voltage regulation. Voltage-755KV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	25-11-2022	09:53:00	25-11-2022	15:58:00	0.25	0.00	0.00	0.00	6.08		* BR opened on voltage regulation. Voltage-759KV.** 25-11-2022 09:53:00 (Code - 6742)
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	26-11-2022	09:09:00	26-11-2022	15:04:00	0.25	0.00	0.00	0.00	5.92		* BR opened on voltage regulation. Voltage-759KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	19-11-2022	09:23:00	19-11-2022	14:39:00	0.22	0.00	0.00	0.00	5.27		* BR opened on voltage regulation. Voltage:765kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	17-11-2022	09:34:00	17-11-2022	15:12:00	0.24	0.00	0.00	0.00	5.63		* BR opened on voltage regulation; Voltage- 760KV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	20-11-2022	09:27:00	20-11-2022	15:04:00	0.23	0.00	0.00	0.00	5.62		* BR opened on voltage regulation. Voltage:764 kV
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	14-11-2022	09:44:00	14-11-2022	16:00:00	0.26	0.00	0.00	0.00	6.27		* BR opened on voltage regulation. Voltage - 765KV.
BSR	240MVAR,BUS REACTOR-1 AT BHADLA-2	SVRD	06-11-2022	10:15:00	06-11-2022	15:21:00	0.21	0.00	0.00	0.00	5.10		* BR opened on voltage regulation. Voltage-765KV.
							6.76	0.00	0.00	0.00	162.56	100.00	
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	25-11-2022	10:40:00	25-11-2022	15:50:00	0.22	0.00	0.00	0.00	5.17		* BR opened on voltage regulation. Voltage-759KV.** 25-11-2022 10:40:00 (Code 6781)



## Standard of Performance data for the month of Nov-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	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	24-11-2022	10:00:00	24-11-2022	15:53:00	0.25	0.00	0.00	0.00	5.88		* BR opened on voltage regulation. Voltage-755KV** 24-11-2022 10:00:00 (Code - 6465)
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	27-11-2022	10:10:00	27-11-2022	15:13:00	0.21	0.00	0.00	0.00	5.05		* BR opened on voltage regulation. Voltage-758KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	02-11-2022	10:00:00	02-11-2022	15:49:00	0.24	0.00	0.00	0.00	5.82		* BR opened on voltage regulation. Voltage-760kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	04-11-2022	09:32:00	04-11-2022	15:11:00	0.24	0.00	0.00	0.00	5.65		* BR opened on voltage regulation
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	14-11-2022	09:49:00	14-11-2022	15:37:00	0.24	0.00	0.00	0.00	5.80		* BR opened on voltage regulation. Voltage - 765KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	22-11-2022	09:48:00	22-11-2022	16:28:00	0.28	0.00	0.00	0.00	6.67		* BR opened on voltage regulation. Voltage-760kV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	10-11-2022	10:52:00	10-11-2022	15:06:00	0.18	0.00	0.00	0.00	4.23		* BR opened on voltage regulation. Voltage-766kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	29-11-2022	09:47:00	29-11-2022	15:48:00	0.25	0.00	0.00	0.00	6.02		* BR opened on voltage regulation. Voltage-754KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	30-11-2022	09:44:00	30-11-2022	16:22:00	0.28	0.00	0.00	0.00	6.63		* BR opened on voltage regulation. Voltage-754KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	20-11-2022	10:00:00	20-11-2022	15:14:00	0.22	0.00	0.00	0.00	5.23		* BR opened on voltage regulation. Voltage:763kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	23-11-2022	10:22:00	23-11-2022	15:36:00	0.22	0.00	0.00	0.00	5.23		* BR opened on voltage regulation. Voltage-756kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	21-11-2022	09:35:00	21-11-2022	15:35:00	0.25	0.00	0.00	0.00	6.00		* BR opened on voltage regulation. Voltage:758KV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	06-11-2022	10:59:00	06-11-2022	15:49:00	0.20	0.00	0.00	0.00	4.83		* BR opened on voltage regulation. Voltage- 765KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	15-11-2022	11:55:00	15-11-2022	15:15:00	0.14	0.00	0.00	0.00	3.33		* BR opened on voltage regulation. Voltage-752kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	17-11-2022	10:17:00	17-11-2022	15:33:00	0.22	0.00	0.00	0.00	5.27		* BR opened on voltage regulation; Voltage-766 KV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	16-11-2022	11:17:00	16-11-2022	14:56:00	0.15	0.00	0.00	0.00	3.65		* BR opened on voltage regulation. V-755kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	28-11-2022	10:15:00	28-11-2022	15:30:00	0.22	0.00	0.00	0.00	5.25		* BR opened on voltage regulation. Voltage-754KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	18-11-2022	09:28:00	18-11-2022	15:38:00	0.26	0.00	0.00	0.00	6.17		* BR opened on voltage regulation. Voltage-759kV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	19-11-2022	10:08:00	19-11-2022	15:33:00	0.23	0.00	0.00	0.00	5.42		* BR opened on voltage regulation. Voltage:763kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	05-11-2022	09:15:00	05-11-2022	17:08:00	0.33	0.00	0.00	0.00	7.88		* BR opened on voltage regulation. Voltage-755KV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	09-11-2022	11:29:00	09-11-2022	15:42:00	0.18	0.00	0.00	0.00	4.22		* BR opened on voltage regulation; Bhadla2= 765KV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	11-11-2022	11:00:00	11-11-2022	15:10:00	0.17	0.00	0.00	0.00	4.17		* BR opened on voltage regulation. Voltage-764kV
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	13-11-2022	09:39:00	13-11-2022	16:04:00	0.27	0.00	0.00	0.00	6.42		* BR opened on voltage regulation. Voltage-756KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	01-11-2022	09:59:00	01-11-2022	15:18:00	0.22	0.00	0.00	0.00	5.32		* BR opened on voltage regulation. Volatge-764KV.
BSR	240MVAR,BUS REACTOR-2 AT BHADLA-2	SVRD	03-11-2022	09:56:00	03-11-2022	15:21:00	0.23	0.00	0.00	0.00	5.42		* BR opened on voltage regulation.Voltage-759KV
							5.90	0.00	0.00	0.00	140.73	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	24-11-2022	09:15:00	24-11-2022	15:54:00	0.28	0.00	0.00	0.00	6.65		* BR opened on voltage regulation. Voltage-390KV** 24-11-2022 09:15:00 (Code - 6428)
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	27-11-2022	09:27:00	27-11-2022	15:41:00	0.26	0.00	0.00	0.00	6.23		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	22-11-2022	09:19:00	22-11-2022	16:01:00	0.28	0.00	0.00	0.00	6.70		* BR opened on voltage regulation. Voltage-395kV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	16-11-2022	08:05:00	16-11-2022	15:45:00	0.32	0.00	0.00	0.00	7.67		* BR opened on voltage regulation,V-408KV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	18-11-2022	10:14:00	18-11-2022	14:56:00	0.20	0.00	0.00	0.00	4.70		* BR opened on voltage regulation. Voltage-394kV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	06-11-2022	09:44:00	06-11-2022	14:37:00	0.20	0.00	0.00	0.00	4.88		* BR opened on voltage regulation. Voltage-400KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	30-11-2022	09:07:00	30-11-2022	16:10:00	0.29	0.00	0.00	0.00	7.05		* BR opened on voltage regulation. Voltage-397KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	25-11-2022	09:48:00	25-11-2022	15:36:00	0.24	0.00	0.00	0.00	5.80		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 09:48:00 (Code - 6755)
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	15-11-2022	10:02:00	15-11-2022	15:49:00	0.24	0.00	0.00	0.00	5.78		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	21-11-2022	09:16:00	21-11-2022	15:27:00	0.26	0.00	0.00	0.00	6.18		* BR opened on voltage regulation. Voltage:399kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	17-11-2022	10:04:00	17-11-2022	13:41:00	0.15	0.00	0.00	0.00	3.62		* BR opened on voltage regulation; Voltage- 394 KV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	29-11-2022	09:25:00	29-11-2022	15:01:00	0.23	0.00	0.00	0.00	5.60		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	23-11-2022	09:58:00	23-11-2022	15:42:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation. Voltage-390kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	20-11-2022	09:21:00	20-11-2022	15:22:00	0.25	0.00	0.00	0.00	6.02		* BR opened on voltage regulation. Voltage:391kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	08-11-2022	08:26:00	08-11-2022	15:19:00	0.29	0.00	0.00	0.00	6.88		* BR opened on voltage regulation.Voltage-403KV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	26-11-2022	09:23:00	26-11-2022	13:23:00	0.17	0.00	0.00	0.00	4.00		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	11-11-2022	09:26:00	11-11-2022	15:37:00	0.26	0.00	0.00	0.00	6.18		* BR opened on voltage regulation. Voltage-400kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	14-11-2022	09:27:00	14-11-2022	15:59:00	0.27	0.00	0.00	0.00	6.53		* BR opened on voltage regulation. Voltage - 399KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	02-11-2022	10:14:00	02-11-2022	13:40:00	0.14	0.00	0.00	0.00	3.43		* BR opened on voltage regulation.Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	28-11-2022	09:46:00	28-11-2022	13:15:00	0.15	0.00	0.00	0.00	3.48		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	04-11-2022	09:02:00	05-11-2022	14:48:00	1.24	0.00	0.00	0.00	29.77		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	LVRD	19-11-2022	09:12:00	19-11-2022	15:36:00	0.27	0.00	0.00	0.00	6.40		* BR opened on voltage regulation. Voltage:399kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	10-11-2022	10:32:00	10-11-2022	16:44:00	0.26	0.00	0.00	0.00	6.20		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	12-11-2022	09:18:00	12-11-2022	16:06:00	0.28	0.00	0.00	0.00	6.80		* BR opened on voltage regulation,Voltage-400KV
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	07-11-2022	09:54:00	07-11-2022	15:52:00	0.25	0.00	0.00	0.00	5.97		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	13-11-2022	10:27:00	13-11-2022	15:15:00	0.20	0.00	0.00	0.00	4.80		* BR opened on voltage regulation. Voltage-396KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	03-11-2022	09:22:00	03-11-2022	13:40:00	0.18	0.00	0.00	0.00	4.30		* BR opened on voltage regulation.Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	01-11-2022	09:40:00	01-11-2022	14:50:00	0.22	0.00	0.00	0.00	5.17		* BR opened on voltage regulation. Voltage-399KV.
BSR	125MVAR,BUS REACTOR-1 AT BADHLA	SVRD	08-11-2022	22:46:00	09-11-2022	14:42:00	0.66	0.00	0.00	0.00	15.93		* BR opened on voltage regulation. Voltage-395KV.
							8.28	0.00	0.00	0.00	198.45	100.00	
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	20-11-2022	09:19:00	20-11-2022	15:21:00	0.25	0.00	0.00	0.00	6.03		* BR opened on voltage regulation. Voltage:758KV

**Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	02-11-2022	09:16:00	02-11-2022	15:14:00	0.25	0.00	0.00	0.00	5.97		* BR opened on voltage regulation.Voltage-760kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	01-11-2022	09:28:00	01-11-2022	13:50:00	0.18	0.00	0.00	0.00	4.37		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	16-11-2022	10:25:00	16-11-2022	15:29:00	0.21	0.00	0.00	0.00	5.07		* BR opened on voltage regulation. V-755kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	21-11-2022	09:13:00	21-11-2022	15:26:00	0.26	0.00	0.00	0.00	6.22		* BR opened on voltage regulation. Voltage:764kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	15-11-2022	11:29:00	15-11-2022	15:48:00	0.18	0.00	0.00	0.00	4.32		* BR opened on voltage regulation. Voltage-754kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	27-11-2022	09:20:00	27-11-2022	15:40:00	0.26	0.00	0.00	0.00	6.33		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	30-11-2022	09:37:00	30-11-2022	15:41:00	0.25	0.00	0.00	0.00	6.07		* BR opened on voltage regulation. Voltage-754KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	28-11-2022	09:13:00	28-11-2022	13:44:00	0.19	0.00	0.00	0.00	4.52		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	29-11-2022	09:42:00	29-11-2022	16:12:00	0.27	0.00	0.00	0.00	6.50		* BR opened on voltage regulation. Voltage-750KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	25-11-2022	09:19:00	25-11-2022	15:19:00	0.25	0.00	0.00	0.00	6.00		* BR opened on voltage regulation. Voltage-759KV** 25-11-2022 09:19:00 (Code - 6722)
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	12-11-2022	09:47:00	12-11-2022	15:46:00	0.25	0.00	0.00	0.00	5.98		* BR opened on voltage regulation,Voltage-765KV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	13-11-2022	09:41:00	13-11-2022	15:13:00	0.23	0.00	0.00	0.00	5.53		* BR opened on voltage regulation. Voltage-760KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	10-11-2022	09:41:00	10-11-2022	15:39:00	0.25	0.00	0.00	0.00	5.97		* BR opened on voltage regulation. Voltage-764kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	04-11-2022	09:26:00	04-11-2022	15:00:00	0.23	0.00	0.00	0.00	5.57		* BR opened on voltage regulation
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	23-11-2022	09:43:00	23-11-2022	15:28:00	0.24	0.00	0.00	0.00	5.75		* BR opened on voltage regulation. Voltage-766kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	18-11-2022	09:45:00	18-11-2022	14:55:00	0.22	0.00	0.00	0.00	5.17		* BR opened on voltage regulation. Voltage-763kV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	19-11-2022	09:41:00	19-11-2022	15:56:00	0.26	0.00	0.00	0.00	6.25		* BR opened on voltage regulation. Voltage:765kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	06-11-2022	10:15:00	06-11-2022	15:16:00	0.21	0.00	0.00	0.00	5.02		* BR opened on voltage regulation. Voltage-765KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	03-11-2022	09:30:00	03-11-2022	15:11:00	0.24	0.00	0.00	0.00	5.68		* BR opened on voltage regulation.Voltage-762KV

## Standard of Performance data for the month of Nov-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	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	14-11-2022	09:25:00	14-11-2022	13:31:00	0.17	0.00	0.00	0.00	4.10		* BR opened on voltage regulation. Voltage - 764KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	05-11-2022	09:33:00	05-11-2022	15:18:00	0.24	0.00	0.00	0.00	5.75		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	22-11-2022	09:10:00	22-11-2022	15:59:00	0.28	0.00	0.00	0.00	6.82		* BR opened on voltage regulation. Voltage-760kV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	17-11-2022	09:20:00	17-11-2022	15:49:00	0.27	0.00	0.00	0.00	6.48		* BR opened on voltage regulation; Voltage=760KV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	24-11-2022	09:14:00	24-11-2022	15:25:00	0.26	0.00	0.00	0.00	6.18		* BR opened on voltage regulation. Voltage-755KV** 24-11-2022 09:14:00 (Code - 6425)
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	09-11-2022	11:02:00	09-11-2022	14:10:00	0.13	0.00	0.00	0.00	3.13		* BR opened on voltage regulation. Voltage-760kV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	11-11-2022	09:38:00	11-11-2022	15:35:00	0.25	0.00	0.00	0.00	5.95		* BR opened on voltage regulation. Voltage-761kV
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	26-11-2022	09:01:00	26-11-2022	15:28:00	0.27	0.00	0.00	0.00	6.45		* BR opened on voltage regulation. Voltage-759KV.
BSR	240MVAR,BUS REACTOR-1 AT BADHLA	SVRD	07-11-2022	11:03:00	07-11-2022	15:20:00	0.18	0.00	0.00	0.00	4.28		* BR opened on voltage regulation. Voltage- 766KV.
							6.73	0.00	0.00	0.00	161.46	100.00	
BSR	80MVAR,BUS REACTOR-1 AT BHIWADI	OSFT	29-11-2022	17:14:00	29-11-2022	20:10:00	0.12	2.93	0.00	0.00	0.00		* Forced S/D to attend the Syncro Error appearing in CSD relay of Bus* Reactor.
BSR	80MVAR,BUS REACTOR-1 AT BHIWADI	OSPT	03-11-2022	09:39:00	03-11-2022	19:47:00	0.42	10.13	0.00	0.00	0.00		* Shutdown for annual maintenance planned works.
							0.54	13.06	0.00	0.00	0.00	98.19	
BSR	240MVAR,BUS REACTOR-1 AT 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	
BSR	240MVAR,BUS REACTOR-2 AT 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	
BSR	80MVAR,BUS REACTOR-1 AT BHINMAL	SVRD	03-11-2022	07:32:00	03-11-2022	17:04:00	0.40	0.00	0.00	0.00	9.53		* BR opened on voltage regulation.Voltage-398KV.
BSR	80MVAR,BUS REACTOR-1 AT BHINMAL	SVRD	04-11-2022	08:57:00	23-11-2022	20:37:00	19.49	0.00	0.00	0.00	467.67		* BR opened on voltage regulation
BSR	80MVAR,BUS REACTOR-1 AT BHINMAL	SVRD	26-11-2022	09:12:00	30-11-2022	23:59:59	4.62	0.00	0.00	0.00	110.80		* BR opened on voltage regulation. Voltage-395KV.

## Standard of Performance data for the month of Nov-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 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	80MVAR,BUS REACTOR-1 AT BHINMAL	SVRD	01-11-2022	10:03:00	02-11-2022	21:54:00	1.49	0.00	0.00	0.00	35.85		* BR opened on voltage regulation. Voltage-397KV.
BSR	80MVAR,BUS REACTOR-1 AT BHINMAL	SVRD	24-11-2022	09:36:00	25-11-2022	19:25:00	1.41	0.00	0.00	0.00	33.82		* BR opened on voltage regulation. Voltage-396KV** 24-11-2022 09:36:00 (Code - 6423)
							27.41	0.00	0.00	0.00	657.67	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	26-11-2022	09:35:00	26-11-2022	16:09:00	0.27	0.00	0.00	0.00	6.57		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	19-11-2022	09:27:00	19-11-2022	15:32:00	0.25	0.00	0.00	0.00	6.08		* BR opened on voltage regulation. Voltage:400kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	24-11-2022	10:28:00	25-11-2022	16:06:00	1.24	0.00	0.00	0.00	29.63		* BR opened on voltage regulation. Voltage-396KV** 24-11-2022 10:28:00 (Code - 6432)
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	27-11-2022	09:41:00	27-11-2022	19:21:00	0.40	0.00	0.00	0.00	9.67		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	14-11-2022	09:32:00	14-11-2022	16:06:00	0.27	0.00	0.00	0.00	6.57		* BR opened on voltage regulation. Voltage - 399KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	06-11-2022	09:49:00	06-11-2022	15:43:00	0.25	0.00	0.00	0.00	5.90		* BR opened on voltage regulation. Voltage-400KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	23-11-2022	10:03:00	23-11-2022	15:47:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation. Voltage-391kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	22-11-2022	09:17:00	22-11-2022	15:48:00	0.27	0.00	0.00	0.00	6.52		* BR opened on voltage regulation. Voltage-395kV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	07-11-2022	10:03:00	07-11-2022	15:56:00	0.25	0.00	0.00	0.00	5.88		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	10-11-2022	10:23:00	10-11-2022	16:31:00	0.26	0.00	0.00	0.00	6.13		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	12-11-2022	09:19:00	12-11-2022	15:10:00	0.24	0.00	0.00	0.00	5.85		* BR opened on voltage regulation, Voltage-402KV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	28-11-2022	10:00:00	28-11-2022	17:10:00	0.30	0.00	0.00	0.00	7.17		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	16-11-2022	08:05:00	16-11-2022	15:38:00	0.32	0.00	0.00	0.00	7.55		* BR opened on voltage regulation,V-410KV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	29-11-2022	09:26:00	30-11-2022	23:59:59	1.61	0.00	0.00	0.00	38.57		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	21-11-2022	09:22:00	21-11-2022	15:30:00	0.26	0.00	0.00	0.00	6.13		* BR opened on voltage regulation. Voltage:391kV

## Standard of Performance data for the month of Nov-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 BIKANER	SVRD	08-11-2022	08:26:00	08-11-2022	15:16:00	0.29	0.00	0.00	0.00	6.83		* BR opened on voltage regulation.Voltage-405KV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	08-11-2022	22:48:00	09-11-2022	15:36:00	0.70	0.00	0.00	0.00	16.80		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	15-11-2022	11:58:00	15-11-2022	16:47:00	0.20	0.00	0.00	0.00	4.82		* BR opened on voltage regulation. Voltage-388kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	11-11-2022	09:43:00	11-11-2022	15:37:00	0.25	0.00	0.00	0.00	5.90		* BR opened on voltage regulation. Voltage-402kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	20-11-2022	09:19:00	20-11-2022	15:53:00	0.27	0.00	0.00	0.00	6.57		* BR opened on voltage regulation. Voltage:395 kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	17-11-2022	10:09:00	17-11-2022	13:37:00	0.14	0.00	0.00	0.00	3.47		* BR opened on voltage regulation; Voltage- 395 KV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	02-11-2022	10:16:00	02-11-2022	13:39:00	0.14	0.00	0.00	0.00	3.38		* BR opened on voltage regulation-Voltage-398kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	18-11-2022	10:20:00	18-11-2022	14:54:00	0.19	0.00	0.00	0.00	4.57		* BR opened on voltage regulation. V-401kV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	05-11-2022	09:08:00	05-11-2022	15:39:00	0.27	0.00	0.00	0.00	6.52		* BR opened on voltage regulation. Voltage-395KV
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	13-11-2022	09:23:00	13-11-2022	15:20:00	0.25	0.00	0.00	0.00	5.95		* BR opened on voltage regulation. Voltage-399KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	01-11-2022	09:35:00	01-11-2022	14:52:00	0.22	0.00	0.00	0.00	5.28		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	03-11-2022	09:34:00	03-11-2022	15:18:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation.Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT BIKANER	SVRD	04-11-2022	09:00:00	04-11-2022	21:30:00	0.52	0.00	0.00	0.00	12.50		* BR opened on voltage regulation
							10.11	0.00	0.00	0.00	242.27	100.00	
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	25-11-2022	10:03:00	25-11-2022	14:34:00	0.19	0.00	0.00	0.00	4.52		* BR opened on voltage regulation. Voltage-759KV.** 25-11-2022 10:03:00 (Code - 6766)
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	12-11-2022	10:36:00	12-11-2022	14:32:00	0.16	0.00	0.00	0.00	3.93		* BR opened on voltage regulation,Voltage-763KV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	15-11-2022	10:50:00	15-11-2022	15:41:00	0.20	0.00	0.00	0.00	4.85		* BR opened on voltage regulation. Voltage-752kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	27-11-2022	09:39:00	27-11-2022	14:23:00	0.20	0.00	0.00	0.00	4.73		* BR opened on voltage regulation. Voltage-762KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	20-11-2022	09:36:00	20-11-2022	13:37:00	0.17	0.00	0.00	0.00	4.02		* BR opened on voltage regulation. Voltage:763kV

## Standard of Performance data for the month of Nov-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	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	24-11-2022	11:03:00	24-11-2022	14:59:00	0.16	0.00	0.00	0.00	3.93		* BR opened on voltage regulation. Voltage-760kV.** 24-11-2022 11:03:00 (Code - 6487)
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	22-11-2022	10:13:00	22-11-2022	15:27:00	0.22	0.00	0.00	0.00	5.23		* BR opened on voltage regulation. Voltage-760kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	04-11-2022	08:59:00	04-11-2022	13:18:00	0.18	0.00	0.00	0.00	4.32		* BR opened on voltage regulation
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	14-11-2022	10:30:00	14-11-2022	14:09:00	0.15	0.00	0.00	0.00	3.65		* BR opened on voltage regulation. Voltage- 763KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	11-11-2022	11:32:00	11-11-2022	15:11:00	0.15	0.00	0.00	0.00	3.65		* BR opened on voltage regulation. Voltage-770kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	21-11-2022	10:04:00	21-11-2022	15:10:00	0.21	0.00	0.00	0.00	5.10		* BR opened on voltage regulation. Voltage:764kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	23-11-2022	10:55:00	23-11-2022	14:40:00	0.16	0.00	0.00	0.00	3.75		* BR opened on voltage regulation. Voltage-757kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	07-11-2022	11:01:00	07-11-2022	14:57:00	0.16	0.00	0.00	0.00	3.93		* BR opened on voltage regulation. Voltage- 765KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	29-11-2022	09:44:00	29-11-2022	15:42:00	0.25	0.00	0.00	0.00	5.97		* BR opened on voltage regulation. Voltage-754KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	28-11-2022	09:17:00	28-11-2022	15:21:00	0.25	0.00	0.00	0.00	6.07		* BR opened on voltage regulation. Voltage-755KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	30-11-2022	09:52:00	30-11-2022	14:45:00	0.20	0.00	0.00	0.00	4.88		* BR opened on voltage regulation. Voltage-754KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	10-11-2022	10:08:00	10-11-2022	14:18:00	0.17	0.00	0.00	0.00	4.17		* BR opened on voltage regulation. Voltage-755KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	17-11-2022	09:33:00	17-11-2022	15:19:00	0.24	0.00	0.00	0.00	5.77		* BR opened on voltage regulation; Voltage- 760KV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	26-11-2022	09:18:00	26-11-2022	15:20:00	0.25	0.00	0.00	0.00	6.03		* BR opened on voltage regulation. Voltage-755KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	16-11-2022	10:56:00	16-11-2022	15:07:00	0.17	0.00	0.00	0.00	4.18		* BR opened on voltage regulation. V-755kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	18-11-2022	09:35:00	18-11-2022	15:19:00	0.24	0.00	0.00	0.00	5.73		* BR opened on voltage regulation. Voltage-760kV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	19-11-2022	09:36:00	19-11-2022	13:18:00	0.15	0.00	0.00	0.00	3.70		* BR opened on voltage regulation. Voltage:764kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	05-11-2022	09:34:00	05-11-2022	15:10:00	0.23	0.00	0.00	0.00	5.60		* BR opened on voltage regulation. Voltage-755KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	09-11-2022	10:19:00	09-11-2022	14:57:00	0.19	0.00	0.00	0.00	4.63		* BR opened on voltage regulation. Voltage-760kV.



## Standard of Performance data for the month of Nov-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 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	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	06-11-2022	10:36:00	06-11-2022	14:56:00	0.18	0.00	0.00	0.00	4.33		* BR opened on voltage regulation. Voltage-766KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	02-11-2022	10:26:00	02-11-2022	13:38:00	0.13	0.00	0.00	0.00	3.20		* BR opened on voltage regulation-Voltage-761kV
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	01-11-2022	10:27:00	01-11-2022	14:47:00	0.18	0.00	0.00	0.00	4.33		* BR opened on voltage regulation. Voltage-759KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	13-11-2022	10:26:00	13-11-2022	14:12:00	0.16	0.00	0.00	0.00	3.77		* BR opened on voltage regulation. Voltage-763KV.
BSR	330MVAR,BUS REACTOR-1 AT BIKANER	SVRD	03-11-2022	09:32:00	03-11-2022	13:31:00	0.17	0.00	0.00	0.00	3.98		* BR opened on voltage regulation .Voltage-757KV
							5.47	0.00	0.00	0.00	131.95	100.00	
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	18-11-2022	10:07:00	18-11-2022	15:03:00	0.21	0.00	0.00	0.00	4.93		* BR opened on voltage regulation. Voltage-399kV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	19-11-2022	11:42:00	19-11-2022	15:29:00	0.16	0.00	0.00	0.00	3.78		* BR opened on voltage regulation. Voltage:397kV
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	20-11-2022	09:38:00	20-11-2022	14:59:00	0.22	0.00	0.00	0.00	5.35		* BR opened on voltage regulation. Voltage:398kV
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	07-11-2022	10:44:00	07-11-2022	17:14:00	0.27	0.00	0.00	0.00	6.50		* BR opened on voltage regulation. Voltage- 400KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	28-11-2022	10:30:00	28-11-2022	17:09:00	0.28	0.00	0.00	0.00	6.65		* BR opened on voltage regulation. Voltage-392KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	30-11-2022	11:13:00	30-11-2022	15:29:00	0.18	0.00	0.00	0.00	4.27		* BR opened on voltage regulation. Voltage-391KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	26-11-2022	09:33:00	26-11-2022	13:09:00	0.15	0.00	0.00	0.00	3.60		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	05-11-2022	10:41:00	05-11-2022	16:01:00	0.22	0.00	0.00	0.00	5.33		* BR opened on voltage regulation. Voltage-395KV
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	16-11-2022	09:54:00	16-11-2022	20:16:00	0.43	0.00	0.00	0.00	10.37		* BR opened on voltage regulation. V-398kV
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	27-11-2022	10:40:00	27-11-2022	19:14:00	0.36	0.00	0.00	0.00	8.57		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	01-11-2022	09:44:00	01-11-2022	15:10:00	0.23	0.00	0.00	0.00	5.43		* BR opened on voltage regulation. Voltage-399KV.
BSR	125MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	17-11-2022	09:50:00	17-11-2022	13:37:00	0.16	0.00	0.00	0.00	3.78		* BR opened on voltage regulation; Voltage-394KV
							2.87	0.00	0.00	0.00	68.56	100.00	
BSR	240MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	05-11-2022	10:45:00	05-11-2022	15:34:00	0.20	0.00	0.00	0.00	4.82		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	06-11-2022	11:33:00	06-11-2022	16:22:00	0.20	0.00	0.00	0.00	4.82		* BR opened on voltage regulation. Voltage-764KV.

## Standard of Performance data for the month of Nov-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	240MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	26-11-2022	11:57:00	26-11-2022	16:40:00	0.20	0.00	0.00	0.00	4.72		* BR opened on voltage regulation. Voltage-761KV.
BSR	240MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	17-11-2022	11:33:00	17-11-2022	13:47:00	0.09	0.00	0.00	0.00	2.23		* BR opened on voltage regulation; Chittorgrah-768 KV
BSR	240MVAR,BUS REACTOR-1 AT CHITTORGARH	SVRD	21-11-2022	09:36:00	21-11-2022	15:24:00	0.24	0.00	0.00	0.00	5.80		* BR opened on voltage regulation. Voltage:758KV
							0.93	0.00	0.00	0.00	22.39	100.00	
BSR	80MVAR,BUS REACTOR-1 AT DEHRADUN	OSFT	11-11-2022	13:19:00	11-11-2022	17:41:00	0.18	4.37	0.00	0.00	0.00		* Forced shutdown to attend oil leakage from Bus Reactor.
BSR	80MVAR,BUS REACTOR-1 AT DEHRADUN	OSFT	12-11-2022	11:09:00	12-11-2022	15:05:00	0.16	3.93	0.00	0.00	0.00		* Emergency shut down taken for replacement of gasket and other measures for arresting oil leakage .
							0.34	8.30	0.00	0.00	0.00	98.85	
BSR	125MVAR,BUS REACTOR-1 AT DWARKA			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 FATEHGARH-2	SVRD	16-11-2022	08:02:00	16-11-2022	21:50:00	0.58	0.00	0.00	0.00	13.80		* BR opened on voltage regulation,V-405KV
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	04-11-2022	09:33:00	04-11-2022	18:36:00	0.38	0.00	0.00	0.00	9.05		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	21-11-2022	08:57:00	28-11-2022	18:19:00	7.39	0.00	0.00	0.00	177.37		* BR opened on voltage regulation. Voltage:391kV
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	29-11-2022	09:23:00	30-11-2022	23:59:59	1.61	0.00	0.00	0.00	38.62		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	17-11-2022	08:23:00	17-11-2022	21:01:00	0.53	0.00	0.00	0.00	12.63		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	05-11-2022	09:10:00	08-11-2022	21:12:00	3.50	0.00	0.00	0.00	84.03		* BR opened on voltage regulation. Voltage-395KV
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	09-11-2022	07:07:00	11-11-2022	17:54:00	2.45	0.00	0.00	0.00	58.78		* BR opened on voltage regulation. Voltage-395KV
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	12-11-2022	09:25:00	15-11-2022	22:12:00	3.53	0.00	0.00	0.00	84.78		* BR opened on voltage regulation,Voltage-380KV
BSR	125MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	01-11-2022	09:04:00	03-11-2022	17:49:00	2.37	0.00	0.00	0.00	56.75		* BR opened on voltage regulation. Voltage-398KV.
							22.34	0.00	0.00	0.00	535.81	100.00	
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	05-11-2022	05:45:00	07-11-2022	17:16:00	2.48	0.00	0.00	0.00	59.52		* BR opened on voltage regulation.Voltage-760kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	26-11-2022	08:28:00	26-11-2022	18:09:00	0.40	0.00	0.00	0.00	9.68		* BR opened on voltage regulation. Voltage-759KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	27-11-2022	08:28:00	30-11-2022	23:59:59	3.65	0.00	0.00	0.00	87.53		* BR opened on voltage regulation. Voltage-753KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	17-11-2022	05:39:00	22-11-2022	17:39:00	5.50	0.00	0.00	0.00	132.00		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	01-11-2022	05:20:00	04-11-2022	18:30:00	3.55	0.00	0.00	0.00	85.17		* BR opened on voltage regulation. Voltage-752kV
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	13-11-2022	08:37:00	13-11-2022	22:08:00	0.56	0.00	0.00	0.00	13.52		* BR opened on voltage regulation. Voltage-764KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	11-11-2022	08:42:00	11-11-2022	17:45:00	0.38	0.00	0.00	0.00	9.05		* BR opened on voltage regulation. Voltage-771kV
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	12-11-2022	08:51:00	12-11-2022	17:18:00	0.35	0.00	0.00	0.00	8.45		* BR opened on voltage regulation. Voltage-764KV.
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	08-11-2022	09:09:00	10-11-2022	19:44:00	2.44	0.00	0.00	0.00	58.58		* BR opened on voltage regulation. Voltage-758kV
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	23-11-2022	06:07:00	23-11-2022	19:34:00	0.56	0.00	0.00	0.00	13.45		* BR opened on voltage regulation-767KV
BSR	240MVAR,BUS REACTOR-1 AT FATEHGARH-2	SVRD	14-11-2022	06:55:00	16-11-2022	21:21:00	2.60	0.00	0.00	0.00	62.43		* BR opened on voltage regulation.Voltage-767kV.
							22.47	0.00	0.00	0.00	539.38	100.00	
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	12-11-2022	09:09:00	16-11-2022	18:17:00	4.38	0.00	0.00	0.00	105.13		* BR opened on voltage regulation; Fatehagarh2= 760KV
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	16-11-2022	22:15:00	17-11-2022	20:49:00	0.94	0.00	0.00	0.00	22.57		* BR opened on voltage regulation. Voltage-730KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	18-11-2022	08:31:00	18-11-2022	17:28:00	0.37	0.00	0.00	0.00	8.95		* BR opened on voltage regulation. Voltage- 766KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	19-11-2022	08:24:00	20-11-2022	17:25:00	1.38	0.00	0.00	0.00	33.02		* BR opened on voltage regulation. Voltage:768KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	28-11-2022	08:12:00	29-11-2022	16:56:00	1.36	0.00	0.00	0.00	32.73		* BR opened on voltage regulation. Voltage-768KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	24-11-2022	08:33:00	24-11-2022	17:23:00	0.37	0.00	0.00	0.00	8.83		* BR opened on voltage regulation. Voltage-755KV** 24-11-2022 08:33:00 (Code - 6394)
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	01-11-2022	00:00:01	01-11-2022	21:08:00	0.88	0.00	0.00	0.00	21.13		* BR opened on voltage regulation. Voltage-765 KV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	25-11-2022	08:48:00	25-11-2022	19:22:00	0.44	0.00	0.00	0.00	10.57		* BR opened on voltage regulation.Voltage=758 KV** 25-11-2022 08:48:00 (Code - 6710)
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	22-11-2022	07:23:00	25-11-2022	21:58:00	3.61	0.00	0.00	0.00	86.58		* BR opened on voltage regulation. Voltage:774kV
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	02-11-2022	09:26:00	08-11-2022	21:03:00	6.48	0.00	0.00	0.00	155.62		* BR opened on voltage regulation. Voltage-755KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	21-11-2022	08:56:00	21-11-2022	20:09:00	0.47	0.00	0.00	0.00	11.22		* BR opened on voltage regulation. Voltage:764kV
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	26-11-2022	08:48:00	27-11-2022	17:22:00	1.36	0.00	0.00	0.00	32.57		* BR opened on voltage regulation. Voltage-759KV.
BSR	240MVAR,BUS REACTOR-2 AT FATEHGARH-2	SVRD	30-11-2022	07:18:00	30-11-2022	17:47:00	0.44	0.00	0.00	0.00	10.48		* BR opened on voltage regulation. Voltage-768KV.
							22.48	0.00	0.00	0.00	539.40	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	SVRD	28-11-2022	09:27:00	28-11-2022	15:55:00	0.27	0.00	0.00	0.00	6.47		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	23-11-2022	09:32:00	23-11-2022	16:30:00	0.29	0.00	0.00	0.00	6.97		* BR opened on voltage regulation. Voltage-401kV
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	27-11-2022	10:37:00	27-11-2022	16:02:00	0.23	0.00	0.00	0.00	5.42		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	29-11-2022	10:02:00	29-11-2022	16:22:00	0.26	0.00	0.00	0.00	6.33		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	17-11-2022	09:48:00	17-11-2022	17:32:00	0.32	0.00	0.00	0.00	7.73		* BR opened on voltage regulation; Voltage- 395KV
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	22-11-2022	09:44:00	22-11-2022	16:08:00	0.27	0.00	0.00	0.00	6.40		* BR opened on voltage regulation. Voltage-398kV.
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	21-11-2022	10:20:00	21-11-2022	16:00:00	0.24	0.00	0.00	0.00	5.67		* BR opened on voltage regulation. Voltage:391 KV
BSR	125MVAR,BUS REACTOR-1 AT JAIPUR SOUTH	SVRD	14-11-2022	11:06:00	14-11-2022	15:08:00	0.17	0.00	0.00	0.00	4.03		* BR opened on voltage regulation. Voltage-400KV.



## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE 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	240MVAR,BUS REACTOR-1 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	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			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 KANKROLI	SVRD	01-11-2022	09:49:00	01-11-2022	15:29:00	0.24	0.00	0.00	0.00	5.67		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	04-11-2022	09:31:00	05-11-2022	18:35:00	1.38	0.00	0.00	0.00	33.07		* BR opened on voltage regulation
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	24-11-2022	09:46:00	26-11-2022	20:13:00	2.44	0.00	0.00	0.00	58.45		* BR opened on voltage regulation. Voltage-390KV** 24-11-2022 09:46:00 (Code - 6424)
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	20-11-2022	09:34:00	20-11-2022	17:37:00	0.34	0.00	0.00	0.00	8.05		* BR opened on voltage regulation. Voltage:391kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	30-11-2022	08:41:00	30-11-2022	23:59:59	0.64	0.00	0.00	0.00	15.32		* BR opened on voltage regulation. Voltage-397KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	27-11-2022	09:23:00	28-11-2022	18:14:00	1.37	0.00	0.00	0.00	32.85		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	29-11-2022	09:42:00	29-11-2022	15:04:00	0.22	0.00	0.00	0.00	5.37		* BR opened on voltage regulation. Voltage-397KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	17-11-2022	10:25:00	17-11-2022	19:57:00	0.40	0.00	0.00	0.00	9.53		* BR opened on voltage regulation; Voltage- 397 KV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	21-11-2022	10:01:00	21-11-2022	16:33:00	0.27	0.00	0.00	0.00	6.53		* BR opened on voltage regulation. Voltage:391 KV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	22-11-2022	09:25:00	22-11-2022	16:39:00	0.30	0.00	0.00	0.00	7.23		* BR opened on voltage regulation. Voltage-395kV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	23-11-2022	09:42:00	23-11-2022	20:37:00	0.46	0.00	0.00	0.00	10.92		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	11-11-2022	09:53:00	12-11-2022	20:14:00	1.43	0.00	0.00	0.00	34.35		* BR opened on voltage regulation. Voltage-400kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	03-11-2022	09:26:00	03-11-2022	17:12:00	0.32	0.00	0.00	0.00	7.77		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	18-11-2022	10:53:00	19-11-2022	21:29:00	1.44	0.00	0.00	0.00	34.60		* BR opened on voltage regulation. Voltage-398kV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	02-11-2022	10:03:00	02-11-2022	20:46:00	0.45	0.00	0.00	0.00	10.72		* BR opened on voltage regulation.Voltage-400kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	07-11-2022	11:09:00	07-11-2022	17:29:00	0.26	0.00	0.00	0.00	6.33		* BR opened on voltage regulation. Voltage- 398KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	16-11-2022	08:00:00	16-11-2022	20:18:00	0.51	0.00	0.00	0.00	12.30		* BR opened on voltage regulation,V-403KV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	14-11-2022	09:46:00	14-11-2022	15:26:00	0.24	0.00	0.00	0.00	5.67		* BR opened on voltage regulation. Voltage - 400KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	10-11-2022	10:21:00	10-11-2022	16:44:00	0.27	0.00	0.00	0.00	6.38		* BR opened on voltage regulation. Voltage-401kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	15-11-2022	10:53:00	15-11-2022	16:55:00	0.25	0.00	0.00	0.00	6.03		* BR opened on voltage regulation. Voltage-393kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	13-11-2022	11:33:00	13-11-2022	16:41:00	0.21	0.00	0.00	0.00	5.13		* BR opened on voltage regulation. Voltage-392KV.
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	08-11-2022	10:18:00	08-11-2022	15:28:00	0.22	0.00	0.00	0.00	5.17		* BR opened on voltage regulation. Voltage- 400kV
BSR	125MVAR,BUS REACTOR-1 AT KANKROLI	SVRD	06-11-2022	10:18:00	06-11-2022	16:45:00	0.27	0.00	0.00	0.00	6.45		* BR opened on voltage regulation. Voltage-400KV.
							13.93	0.00	0.00	0.00	333.89	100.00	
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	25-11-2022	09:29:00	25-11-2022	19:37:00	0.42	0.00	0.00	0.00	10.13		* BR opened on voltage regulation. Voltage-398KV.** 25-11-2022 09:29:00 (Code - 6719)
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	20-11-2022	09:34:00	20-11-2022	16:00:00	0.27	0.00	0.00	0.00	6.43		* BR opened on voltage regulation. Voltage:391kV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	01-11-2022	09:50:00	01-11-2022	15:22:00	0.23	0.00	0.00	0.00	5.53		* BR opened on voltage regulation. Voltage-398KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	16-11-2022	08:00:00	16-11-2022	21:51:00	0.58	0.00	0.00	0.00	13.85		* BR opened on voltage regulation,V-403KV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	29-11-2022	09:43:00	29-11-2022	16:38:00	0.29	0.00	0.00	0.00	6.92		* BR opened on voltage regulation. Voltage-397KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	17-11-2022	11:27:00	17-11-2022	20:41:00	0.39	0.00	0.00	0.00	9.23		* BR opened on voltage regulation; KANKROLI-397 KV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	15-11-2022	10:51:00	15-11-2022	20:50:00	0.42	0.00	0.00	0.00	9.98		* BR opened on voltage regulation.Voltage-392kV

## Standard of Performance data for the month of Nov-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	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	21-11-2022	10:01:00	21-11-2022	16:33:00	0.27	0.00	0.00	0.00	6.53		* BR opened on voltage regulation. Voltage:391 KV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	22-11-2022	09:26:00	22-11-2022	17:15:00	0.33	0.00	0.00	0.00	7.82		* BR opened on voltage regulation. Voltage-395kV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	11-11-2022	09:52:00	13-11-2022	16:46:00	2.29	0.00	0.00	0.00	54.90		* BR opened on voltage regulation. Voltage-398kV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	26-11-2022	09:15:00	28-11-2022	18:14:00	2.37	0.00	0.00	0.00	56.98		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	14-11-2022	09:45:00	14-11-2022	15:15:00	0.23	0.00	0.00	0.00	5.50		* BR opened on voltage regulation. Voltage - 400KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	18-11-2022	10:53:00	19-11-2022	16:29:00	1.23	0.00	0.00	0.00	29.60		* BR opened on voltage regulation. Voltage-398kV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	02-11-2022	10:05:00	03-11-2022	17:17:00	1.30	0.00	0.00	0.00	31.20		* BR opened on voltage regulation.Voltage-399kV
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	06-11-2022	10:19:00	06-11-2022	16:40:00	0.27	0.00	0.00	0.00	6.35		* BR opened on voltage regulation. Voltage-400KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	07-11-2022	11:09:00	07-11-2022	17:23:00	0.26	0.00	0.00	0.00	6.23		* BR opened on voltage regulation. Voltage- 400KV.
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	04-11-2022	09:08:00	05-11-2022	18:46:00	1.40	0.00	0.00	0.00	33.63		* BR opened on voltage regulation
BSR	50MVAR,BUS REACTOR-2 AT KANKROLI	SVRD	23-11-2022	09:42:00	23-11-2022	20:32:00	0.45	0.00	0.00	0.00	10.83		* BR opened on voltage regulation. Voltage-401kV
							13.00	0.00	0.00	0.00	311.64	100.00	
BSR	125MVAR,BUS REACTOR-1 AT KOTESHWAR	OSPD	09-11-2022	13:21:00	12-11-2022	12:16:00	2.96	0.00	0.00	0.00	70.92		* Shutdown by THDC for annual maintenance and testing of their Reactor bay (Transfer Bus Coupler) at KHEP.This TBC Bay belongs to THDC. S/D till 12.11.2022.
							2.96	0.00	0.00	0.00	70.92	100.00	
BSR	240MVAR,BUS REACTOR-1 AT KOTESHWAR	SVRD	24-11-2022	11:34:00	24-11-2022	15:52:00	0.18	0.00	0.00	0.00	4.30		* BR opened on voltage regulation. Voltage-755kV.** 24-11-2022 11:34:00 (Code - 6454)
							0.18	0.00	0.00	0.00	4.30	100.00	
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	06-11-2022	11:19:00	06-11-2022	15:52:00	0.19	0.00	0.00	0.00	4.55		* BR opened on voltage regulation. Voltage-398KV.



## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	24-11-2022	10:11:00	25-11-2022	19:40:00	1.40	0.00	0.00	0.00	33.48		* BR opened on voltage regulation. Voltage-398KV** 24-11-2022 10:11:00 (Code _ 6474)
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	19-11-2022	11:40:00	19-11-2022	15:22:00	0.15	0.00	0.00	0.00	3.70		* BR opened on voltage regulation. Voltage:399kV.
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	28-11-2022	09:46:00	28-11-2022	18:28:00	0.36	0.00	0.00	0.00	8.70		* BR opened on voltage regulation. Voltage-395KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	16-11-2022	11:01:00	16-11-2022	21:24:00	0.43	0.00	0.00	0.00	10.38		* BR opened on voltage regulation. V-396kV
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	20-11-2022	09:39:00	20-11-2022	15:49:00	0.26	0.00	0.00	0.00	6.17		* BR opened on voltage regulation. Voltage:398kV
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	13-11-2022	10:24:00	13-11-2022	15:19:00	0.21	0.00	0.00	0.00	4.92		* BR opened on voltage regulation. Voltage-399KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	30-11-2022	11:40:00	30-11-2022	15:35:00	0.16	0.00	0.00	0.00	3.92		* BR opened on voltage regulation. Voltage-398KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	23-11-2022	09:39:00	23-11-2022	16:46:00	0.30	0.00	0.00	0.00	7.12		* BR opened on voltage regulation. Voltage-401kV
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	21-11-2022	12:45:00	21-11-2022	15:33:00	0.12	0.00	0.00	0.00	2.80		* BR opened on voltage regulation. Voltage:399kV
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	05-11-2022	11:36:00	05-11-2022	16:13:00	0.19	0.00	0.00	0.00	4.62		* BR opened on voltage regulation. Voltage-395KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	17-11-2022	09:40:00	17-11-2022	19:52:00	0.43	0.00	0.00	0.00	10.20		* BR opened on voltage regulation; Voltage- 397KV
BSR	80MVAR,BUS REACTOR-1 AT KOTA	SVRD	27-11-2022	10:44:00	27-11-2022	19:20:00	0.36	0.00	0.00	0.00	8.60		* BR opened on voltage regulation. Voltage-395KV.
							4.56	0.00	0.00	0.00	109.16	100.00	
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	13-11-2022	10:30:00	13-11-2022	15:21:00	0.20	0.00	0.00	0.00	4.85		* BR opened on voltage regulation. Voltage-399KV.
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	06-11-2022	11:21:00	06-11-2022	15:56:00	0.19	0.00	0.00	0.00	4.58		* BR opened on voltage regulation. Voltage-398KV.
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	19-11-2022	11:40:00	19-11-2022	15:25:00	0.16	0.00	0.00	0.00	3.75		* BR opened on voltage regulation. Voltage:399kV
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	28-11-2022	09:42:00	30-11-2022	23:59:59	2.60	0.00	0.00	0.00	62.30		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	20-11-2022	09:41:00	20-11-2022	15:51:00	0.26	0.00	0.00	0.00	6.17		* BR opened on voltage regulation. Voltage:398kV
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	16-11-2022	11:04:00	16-11-2022	21:27:00	0.43	0.00	0.00	0.00	10.38		* BR opened on voltage regulation. V-396kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	17-11-2022	09:41:00	17-11-2022	19:58:00	0.43	0.00	0.00	0.00	10.28		* BR opened on voltage regulation; Voltage- 397KV.
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	27-11-2022	10:46:00	27-11-2022	19:23:00	0.36	0.00	0.00	0.00	8.62		* BR opened on voltage regulation. Voltage-395KV.
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	23-11-2022	09:36:00	23-11-2022	20:03:00	0.44	0.00	0.00	0.00	10.45		* BR opened on voltage regulation. Voltage-399kV
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	21-11-2022	12:45:00	21-11-2022	15:35:00	0.12	0.00	0.00	0.00	2.83		* BR opened on voltage regulation. Voltage:399kV
BSR	50MVAR,BUS REACTOR-2 AT KOTA	SVRD	24-11-2022	10:58:00	26-11-2022	16:43:00	2.24	0.00	0.00	0.00	53.75		* BR opened on voltage regulation. Voltage-395kV.** 24-11-2022 10:58:00 (Code - 6473)
							7.43	0.00	0.00	0.00	177.96	100.00	
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	04-11-2022	11:14:00	04-11-2022	21:22:00	0.42	0.00	0.00	0.00	10.13		* BR opened on voltage regulation
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	14-11-2022	11:01:00	14-11-2022	15:54:00	0.20	0.00	0.00	0.00	4.88		* BR opened on voltage regulation. Voltage-400KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	24-11-2022	09:49:00	24-11-2022	16:48:00	0.29	0.00	0.00	0.00	6.98		* BR opened on voltage regulation. Voltage-382KV** 24-11-2022 09:49:00 (Code - 6442)
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	15-11-2022	09:54:00	15-11-2022	16:43:00	0.28	0.00	0.00	0.00	6.82		* BR opened on voltage regulation. Voltage-398KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	26-11-2022	09:16:00	26-11-2022	16:27:00	0.30	0.00	0.00	0.00	7.18		* BR opened on voltage regulation. Voltage-395KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	18-11-2022	10:57:00	18-11-2022	16:31:00	0.23	0.00	0.00	0.00	5.57		* BR opened on voltage regulation. Voltage-415KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	07-11-2022	09:59:00	07-11-2022	17:06:00	0.30	0.00	0.00	0.00	7.12		* BR opened on voltage regulation. Voltage-395 KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	25-11-2022	10:16:00	25-11-2022	15:23:00	0.21	0.00	0.00	0.00	5.12		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 10:16:00 (Code - 6756)
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	29-11-2022	10:00:00	29-11-2022	16:39:00	0.28	0.00	0.00	0.00	6.65		* BR opened on voltage regulation. Voltage-390kV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	28-11-2022	09:31:00	28-11-2022	16:58:00	0.31	0.00	0.00	0.00	7.45		* BR opened on voltage regulation. Voltage-394kV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	19-11-2022	09:45:00	19-11-2022	15:24:00	0.24	0.00	0.00	0.00	5.65		* BR opened on voltage regulation. Voltage:391kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	27-11-2022	08:53:00	27-11-2022	15:39:00	0.28	0.00	0.00	0.00	6.77		* BR opened on voltage regulation. Voltage-396KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	23-11-2022	09:39:00	23-11-2022	16:02:00	0.27	0.00	0.00	0.00	6.38		* BR opened on voltage regulation. Voltage-402kV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	21-11-2022	09:51:00	21-11-2022	16:11:00	0.26	0.00	0.00	0.00	6.33		* BR opened on voltage regulation. Voltage:391 KV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	06-11-2022	11:44:00	06-11-2022	15:39:00	0.16	0.00	0.00	0.00	3.92		* BR opened on voltage regulation. Voltage-398KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	16-11-2022	10:14:00	16-11-2022	20:10:00	0.41	0.00	0.00	0.00	9.93		* BR opened on voltage regulation. V-386kV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	20-11-2022	09:30:00	20-11-2022	15:46:00	0.26	0.00	0.00	0.00	6.27		* BR opened on voltage regulation. Voltage:391kV
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	01-11-2022	09:43:00	01-11-2022	15:16:00	0.23	0.00	0.00	0.00	5.55		* BR opened on voltage regulation. Voltage-398KV.
BSR	80MVAR,BUS REACTOR-1 AT KOTPUTLI	SVRD	17-11-2022	11:05:00	17-11-2022	15:54:00	0.20	0.00	0.00	0.00	4.82		* BR opened on voltage regulation;Voltage-392 KV
							5.13	0.00	0.00	0.00	123.52	100.00	
BSR	125MVAR,BUS REACTOR-1 AT KURUKSHETRA			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 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	
BSR	125MVAR,BUS REACTOR-1 AT MANESAR	SVRD	07-11-2022	11:12:00	07-11-2022	17:12:00	0.25	0.00	0.00	0.00	6.00		* BR opened on voltage regulation. Voltage- 398KV.
							0.25	0.00	0.00	0.00	6.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT MANESAR			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,400kV BUS Reactor at MAHARANIBAG			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 MEERUT	SVRD	04-11-2022	09:54:00	04-11-2022	21:25:00	0.48	0.00	0.00	0.00	11.52		* BR opened on voltage regulation

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	01-11-2022	10:40:00	01-11-2022	20:38:00	0.42	0.00	0.00	0.00	9.97		* BR opened on voltage regulation. Voltage-761KV.
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	02-11-2022	11:12:00	02-11-2022	22:12:00	0.46	0.00	0.00	0.00	11.00		* BR opened on voltage regulation-Voltage-761kV
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	22-11-2022	09:59:00	22-11-2022	16:03:00	0.25	0.00	0.00	0.00	6.07		* BR opened on voltage regulation. Voltage-755kV
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	21-11-2022	09:28:00	21-11-2022	16:24:00	0.29	0.00	0.00	0.00	6.93		* BR opened on voltage regulation. Voltage:758KV
BSR	240MVAR,BUS REACTOR-1 AT MEERUT	SVRD	25-11-2022	10:12:00	25-11-2022	15:29:00	0.22	0.00	0.00	0.00	5.28		* BR opened on voltage regulation. Voltage-760KV.** 25-11-2022 10:12:00 (Code - 6754)
							2.12	0.00	0.00	0.00	50.77	100.00	
BSR	50MVAR, BUS REACTOR-2 AT 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	
BSR	125MVAR,BUS REACTOR-1 AT 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	
BSR	50MVAR,BUS REACTOR-1 AT MURADNAGAR			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 NEEMRANA	SVRD	29-11-2022	10:11:00	29-11-2022	16:47:00	0.28	0.00	0.00	0.00	6.60		* BR opened on voltage regulation. Voltage-395KV.
BSR	80MVAR,BUS REACTOR-1 AT NEEMRANA	SVRD	21-11-2022	10:46:00	21-11-2022	15:45:00	0.21	0.00	0.00	0.00	4.98		* BR opened on voltage regulation. Voltage:398kV
BSR	80MVAR,BUS REACTOR-1 AT NEEMRANA	SVRD	24-11-2022	10:47:00	24-11-2022	16:10:00	0.22	0.00	0.00	0.00	5.38		* BR opened on voltage regulation. Voltage-396KV** 24-11-2022 10:47:00 (Code - 6469)
							0.71	0.00	0.00	0.00	16.96	100.00	
BSR	125MVAR,BUS REACTOR-1 AT RATANGARH			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 ROORKEE	SVRD	08-11-2022	12:15:00	08-11-2022	20:45:00	0.35	0.00	0.00	0.00	8.50		* BR opened on voltage regulation.Voltage- 390kV
							0.35	0.00	0.00	0.00	8.50	100.00	
BSR	50MVAR,BUS REACTOR-1 AT SAHARANPUR	SVRD	02-11-2022	09:38:00	02-11-2022	21:09:00	0.48	0.00	0.00	0.00	11.52		* BR opened on voltage regulation.Voltage-399kV

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	50MVAR,BUS REACTOR-1 AT SAHARANPUR	SVRD	21-11-2022	12:26:00	21-11-2022	21:34:00	0.38	0.00	0.00	0.00	9.13		* BR opened on voltage regulation. Voltage:394kV
BSR	50MVAR,BUS REACTOR-1 AT SAHARANPUR	SVRD	07-11-2022	10:59:00	08-11-2022	04:17:00	0.72	0.00	0.00	0.00	17.30		* BR opened on voltage regulation. Voltage- 395KV.
BSR	50MVAR,BUS REACTOR-1 AT SAHARANPUR	SVRD	03-11-2022	10:03:00	03-11-2022	22:18:00	0.51	0.00	0.00	0.00	12.25		* BR opened on voltage regulation .Voltage-398KV.
							2.09	0.00	0.00	0.00	50.20	100.00	
BSR	50MVAR,BUS REACTOR-2 AT SAHARANPUR	SVRD	03-11-2022	10:03:00	03-11-2022	22:18:00	0.51	0.00	0.00	0.00	12.25		* BR opened on voltage regulation. Voltage-398KV.
BSR	50MVAR,BUS REACTOR-2 AT SAHARANPUR	SVRD	02-11-2022	09:38:00	02-11-2022	21:09:00	0.48	0.00	0.00	0.00	11.52		* BR opened on voltage regulation.Voltage-398kV
BSR	50MVAR,BUS REACTOR-2 AT SAHARANPUR	SVRD	07-11-2022	10:59:00	08-11-2022	04:17:00	0.72	0.00	0.00	0.00	17.30		* BR opened on voltage regulation. Voltage- 395KV.
BSR	50MVAR,BUS REACTOR-2 AT SAHARANPUR	SVRD	21-11-2022	12:26:00	21-11-2022	21:34:00	0.38	0.00	0.00	0.00	9.13		* BR opened on voltage regulation. Voltage:394kV
							2.09	0.00	0.00	0.00	50.20	100.00	
BSR	80MVAR,BUS REACTOR-1 AT SIKAR	SVRD	24-11-2022	10:35:00	24-11-2022	16:47:00	0.26	0.00	0.00	0.00	6.20		* BR opened on voltage regulation. Voltage-395KV** 24-11-2022 10:35:00 (Code - 6471)
BSR	80MVAR,BUS REACTOR-1 AT SIKAR	SVRD	07-11-2022	09:55:00	07-11-2022	20:40:00	0.45	0.00	0.00	0.00	10.75		* BR opened on voltage regulation. Voltage-396 KV.
BSR	80MVAR,BUS REACTOR-1 AT SIKAR	SVRD	21-11-2022	12:37:00	21-11-2022	15:53:00	0.14	0.00	0.00	0.00	3.27		* BR opened on voltage regulation. Voltage:394kV
BSR	80MVAR,BUS REACTOR-1 AT SIKAR	SVRD	26-11-2022	09:27:00	29-11-2022	21:49:00	3.52	0.00	0.00	0.00	84.37		* BR opened on voltage regulation. Voltage-395KV.
							4.37	0.00	0.00	0.00	104.59	100.00	
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	25-11-2022	09:54:00	25-11-2022	15:29:00	0.23	0.00	0.00	0.00	5.58		* BR opened on voltage regulation. Voltage-397KV.** 25-11-2022 09:54:00 (Code 6751)
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	26-11-2022	09:25:00	26-11-2022	16:03:00	0.28	0.00	0.00	0.00	6.63		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	01-11-2022	09:32:00	01-11-2022	15:08:00	0.23	0.00	0.00	0.00	5.60		* BR opened on voltage regulation. Voltage-398KV.
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	23-11-2022	09:40:00	23-11-2022	15:39:00	0.25	0.00	0.00	0.00	5.98		* BR opened on voltage regulation. Voltage-399kV
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	04-11-2022	09:01:00	04-11-2022	21:09:00	0.51	0.00	0.00	0.00	12.13		* BR opened on voltage regulation

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	22-11-2022	09:24:00	22-11-2022	16:41:00	0.30	0.00	0.00	0.00	7.28		* BR opened on voltage regulation. Voltage-396kV.
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	27-11-2022	09:46:00	27-11-2022	15:40:00	0.25	0.00	0.00	0.00	5.90		* BR opened on voltage regulation. Voltage-395KV.
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	24-11-2022	10:31:00	24-11-2022	15:57:00	0.23	0.00	0.00	0.00	5.43		* BR opened on voltage regulation. Voltage-396KV** 24-11-2022 10:31:00 (Code - 6470)
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	20-11-2022	10:55:00	20-11-2022	14:57:00	0.17	0.00	0.00	0.00	4.03		* BR opened on voltage regulation. Voltage:396kV
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	21-11-2022	10:02:00	21-11-2022	15:50:00	0.24	0.00	0.00	0.00	5.80		* BR opened on voltage regulation. Voltage:398 KV
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	28-11-2022	09:29:00	28-11-2022	16:03:00	0.27	0.00	0.00	0.00	6.57		* BR opened on voltage regulation. Voltage-394kV
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	19-11-2022	09:46:00	19-11-2022	15:32:00	0.24	0.00	0.00	0.00	5.77		* BR opened on voltage regulation. Voltage:400kV
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	14-11-2022	11:43:00	14-11-2022	15:06:00	0.14	0.00	0.00	0.00	3.38		* BR opened on voltage regulation. Voltage-396KV.
BSR	125MVAR,BUS REACTOR-2 AT SIKAR	SVRD	07-11-2022	09:54:00	07-11-2022	15:54:00	0.25	0.00	0.00	0.00	6.00		* BR opened on voltage regulation. Voltage-396 KV.
							3.59	0.00	0.00	0.00	86.08	100.00	
BSR	125MVAR,BUS REACTOR-1 AT SONIPAT			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 SONIPAT			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 TUGHLAKABAD			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 ANTA(NTPC)-BHILWARA(RRVPNL)-1	LPRD	18-11-2022	11:58:00	18-11-2022	13:31:00	0.07	0.00	0.00	0.00	1.55		* Line opened on Power regulation.
CKT	220kV ANTA(NTPC)-BHILWARA(RRVPNL)-1	OSPT	03-11-2022	09:55:00	03-11-2022	18:28:00	0.36	8.55	0.00	0.00	0.00		* Shutdown for maintenance works in line.
							0.43	8.55	0.00	0.00	1.55	98.81	

**Standard of Performance data for the month of Nov-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
CKT	220kV ANTA(NTPC)-BHILWARA(RRVPNL)-2	OMSU	26-11-2022	18:06:00	26-11-2022	21:10:00	0.13	0.00	3.07	0.00	0.00		* Line tripped only from Anta end due to auto reclose problem at Anta end and line auto reclosed from Bhilwara end. FLR-Anta- R-N, 88=.32km/1.63kA. Ownership of Bays at Anta is with NTPC.Fault is in Kota TL
							0.13	0.00	3.07	0.00	0.00	100.00	
CKT	220kV ANTA(NTPC)-LALSOT(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 ANTA(NTPC)-RAPPC(NPCIL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV ANTA(NTPC)-SAWAI MADHOPUR(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 BASSI-IG NAGAR(RRVPNL)	OSPD	11-11-2022	11:39:00	11-11-2022	16:41:00	0.21	0.00	0.00	0.00	5.03		* Shutdown for Quartererly maintenance of Bay Equipment by Indira Nagar RRVPNL end.
							0.21	0.00	0.00	0.00	5.03	100.00	
CKT	220kV BASSI-BAGRU(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 DAUSA(RRVPNL)-BASSI-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV DAUSA(RRVPNL)-BASSI-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)-PALLA(HVPNL)-1	OSPD	01-11-2022	11:48:00	30-11-2022	23:59:59	29.51	0.00	0.00	0.00	708.20		* Shutdown by HVPNL for construction of LILO activities at Sector-78, Faridabad(HVPNL). S/D till 09.11.2022
							29.51	0.00	0.00	0.00	708.20	100.00	

## Standard of Performance data for the month of Nov-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
CKT	220kV FGPP(NTPC)-PALLA(HVPNL)-2	OSPD	01-11-2022	11:48:00	30-11-2022	23:59:59	29.51	0.00	0.00	0.00	708.20		* Shutdown by HVPNL for construction of LILO activities at Sector-78, Faridabad(HVPNL). S/D till 09.11.2022
							29.51	0.00	0.00	0.00	708.20	100.00	
CKT	220KV-FGPP NTPC-SEC 58(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-FGPP NTPC-SEC 58(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 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	LART	09-11-2022	00:33:00	09-11-2022	00:33:00	0.00	0.00	0.00	0.00	0.00		* Auto-reclosed on B-N fault.FLR:Hissar(PG)-6.19 KM/14.62 KA.
							0.00	0.00	0.00	0.00	0.00	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)	LPRD	15-11-2022	11:07:00	30-11-2022	23:59:59	15.54	0.00	0.00	0.00	372.88		* Line opened on Power regulation to manage loading of 220 KV D/C Bassi-Dausa.
CKT	220kV LALSOT(RRVPNL)-DAUSA(RRVPNL)	OSPD	14-11-2022	09:24:00	14-11-2022	18:56:00	0.40	0.00	0.00	0.00	9.53		* Shutdown by RRVPNL for their quarterly maintenance work.
CKT	220kV LALSOT(RRVPNL)-DAUSA(RRVPNL)	LPRD	04-11-2022	07:24:00	14-11-2022	09:24:00	10.08	0.00	0.00	0.00	242.00		* Line opened to control loading in 220 KV D/C Bassi-Dausa line.
							26.02	0.00	0.00	0.00	624.41	100.00	



## Standard of Performance data for the month of Nov-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
CKT	220kV MANSROVAR(RRVPNL)-HIRAPURA(RRVPNL)	OSFD	18-11-2022	10:10:00	18-11-2022	17:16:00	0.30	0.00	0.00	0.00	7.10		* Forced shut down taken by RRVPNL for removing the fault from 220 kv Mansarovar Sanganer Line. Both line are on same tower(double Ckt ). One line is already S/D due to fault. (Due to induction effect S/D required of other Line).
CKT	220kV MANSROVAR(RRVPNL)-HIRAPURA(RRVPNL)	OSFT	17-11-2022	00:03:00	17-11-2022	01:48:00	0.07	1.75	0.00	0.00	0.00		* Line tripped only from Heerapura end on R-N fault. FLR: Heerapura-Zone-1/7.98Km. Fault under RRVPNL jurisdiction.* 31.03.2023 00:32:16 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
CKT	220kV MANSROVAR(RRVPNL)-HIRAPURA(RRVPNL)	OSFD	17-11-2022	16:55:00	17-11-2022	19:14:00	0.10	0.00	0.00	0.00	2.32		* Forced S/D by RRVPNL for removing fault from 220 KV MANSAROVAR -SANGANER LINE.
							0.47	1.75	0.00	0.00	9.42	99.76	
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)	OSPD	02-11-2022	10:32:00	03-11-2022	05:55:00	0.81	0.00	0.00	0.00	19.38		* Shutdown by UPPCL for replacement of double feeder control panel of the line.

## Standard of Performance data for the month of Nov-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
CKT	220kV MEERUT-NARA(UPPTCL)	OSFT	02-11-2022	04:17:00	02-11-2022	06:46:00	0.10	2.48	0.00	0.00	0.00		* Tripped only from Meerut end and remain charged from Nara end due to* down stream Zone-3 fault at UPPCL end.FLR: Meerut:R-N,Fault* current=800 A.* 31.03.2023 00:35:05 INDIA Puneet Aggarwal (60003530)*** Attribute Change by NRPC
CKT	220kV MEERUT-NARA(UPPTCL)	LART	02-11-2022	09:38:00	02-11-2022	09:38:00	0.00	0.00	0.00	0.00	0.00		* Autoreclosed during R-N fault .FLR-Meerut 26.72KM/6.3KA. Fault is in UPPCL Jurisdiction.
CKT	220kV MEERUT-NARA(UPPTCL)	OSFD	01-11-2022	08:35:00	01-11-2022	10:24:00	0.08	0.00	0.00	0.00	1.82		* Forced shutdown by UPPCL to attend hotspot on LSI R-ph rotary head clamp at their Nara.
							0.99	2.48	0.00	0.00	21.20	99.66	
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)	LART	05-11-2022	03:39:00	05-11-2022	03:39:00	0.00	0.00	0.00	0.00	0.00		* 220KV Meerut Simbholi A/R at 03:39 hrs/05.11.2022 on B-N fault.FLRMeerut-* 19.13km/9.11kA.Fault under UPPCL portion.
CKT	220kV MEERUT-SIMBHOLI(UPPTCL)	OSPD	11-11-2022	14:35:00	11-11-2022	19:42:00	0.21	0.00	0.00	0.00	5.12		* Shutdown taken by Simbholi end for testing of Bus bar protection panel at their end.

**Standard of Performance data for the month of Nov-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
CKT	220kV MEERUT-SIMBHOLI(UPPTCL)	LART	22-11-2022	01:52:00	22-11-2022	01:52:00	0.00	0.00	0.00	0.00	0.00		* "Line successfully auto reclosed from both ends. Fault details of Meerut end are as follows:* FAULT TYPE: Y Phase to Ground Fault, FAULT CURRENT: 4.552 kA, LOCATION: 44.069km (85.690%), Z-2, Fault under UPPCL jurisdiction."
							0.21	0.00	0.00	0.00	5.12	100.00	
CKT	220kV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)-2	OSFD	30-11-2022	15:20:00	30-11-2022	20:16:00	0.21	0.00	0.00	0.00	4.93		* Forced shutdown by RAPP-B to attend hot spot on CT R - Phase at their end.
CKT	220kV RAPPB(NPCIL)-CHITTORGARH(RRVPNL)-2	OMSU	08-11-2022	02:10:00	08-11-2022	03:12:00	0.04	0.00	1.03	0.00	0.00		* Line Auto reclose from Chittorgarh(RRVPNL) end on R-N fault <(>&<)> tripped only from RAPPB end due to their auto recloser problem. FLR: RAPPB: R-N/2.82Ka/54.62Km, Chittorgarh(RRVPNL)-71Km.
							0.25	0.00	1.03	0.00	4.93	100.00	
CKT	220kV RAPPB(NPCIL)-RAPPB(NPCIL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
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	

**Standard of Performance data for the month of Nov-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
CKT	220kV RATANGARH(RRVPNL)-SIKAR-1	OMSU	17-11-2022	04:26:00	17-11-2022	07:26:00	0.13	0.00	3.00	0.00	0.00		* Line auto reclose from Sikar end <(>&<)> tripped only from Ratangarh end on Y-N Fault due to their auto recloser problem. FLR: Sikar= - 58.92kM/2.95kA. Ratangarh-4.0kM/18.13kA. Fault under RRVPNL jurisdiction.
							0.13	0.00	3.00	0.00	0.00	100.00	
CKT	220kV RATANGARH(RRVPNL)-SIKAR-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV-SAMAYPUR(HVPNL)-SEC58-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV-SAMAYPUR(HVPNL)-SEC58-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SANGANER(RRVPNL)-MANSROVAR(RRVPNL)	OSFT	17-11-2022	01:49:00	18-11-2022	17:33:00	1.66	39.73	0.00	0.00	0.00		* Tripped on R-N Fault, Zone-1, Dist. 0.8km from Mansarovar(RS).Fault under RRVPNL portion.* 31.03.2023 00:33:42 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
CKT	220kV SANGANER(RRVPNL)-MANSROVAR(RRVPNL)	OSFT	17-11-2022	00:03:00	17-11-2022	01:48:00	0.07	1.75	0.00	0.00	0.00		* Line tripped on R-N Fault. FLR: Mansarovar-Zone-1/0.4Km, Sangner-Zone-1/0.34Km.* 31.03.2023 00:32:56 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
							1.73	41.48	0.00	0.00	0.00	94.24	

## Standard of Performance data for the month of Nov-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
CKT	220kV S.MADHOPUR(RRVPNL)-DAUSA(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SIKAR(RRVPNL)-SIKAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220kV SIKAR(RRVPNL)-SIKAR-2	OSPD	01-11-2022	00:00:01	04-11-2022	16:38:00	3.69	0.00	0.00	0.00	88.63		* Shutdown by RRVPNL for replacement of obsolete Distance Protection Scheme by new Make ABB relay <(>&<)> replacement of damaged main bus isolator clamp and jumper at their end.S/D upto 02.11.2022.
							3.69	0.00	0.00	0.00	88.63	100.00	
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	08-11-2022	20:19:00	09-11-2022	10:55:00	0.61	0.00	0.00	0.00	14.60		* Line opened on voltage regulation,Jaipur(s)-423KV
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	01-11-2022	21:37:00	02-11-2022	08:28:00	0.45	0.00	0.00	0.00	10.85		* Line opened on voltage regulation. Agra-425KV
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	20-11-2022	17:29:00	21-11-2022	06:29:00	0.54	0.00	0.00	0.00	13.00		* Line opened on voltage regulation. Jaipur(S)=413kV
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	24-11-2022	20:17:00	25-11-2022	06:37:00	0.43	0.00	0.00	0.00	10.33		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	02-11-2022	22:02:00	03-11-2022	07:14:00	0.38	0.00	0.00	0.00	9.20		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	10-11-2022	19:56:00	11-11-2022	08:40:00	0.53	0.00	0.00	0.00	12.73		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	18-11-2022	19:36:00	19-11-2022	08:36:00	0.54	0.00	0.00	0.00	13.00		* Line opened on voltage regulation,Agra-417KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	14-11-2022	20:32:00	15-11-2022	07:27:00	0.46	0.00	0.00	0.00	10.92		* Line opened on voltage regulation. Agra-422KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	30-11-2022	20:46:00	30-11-2022	23:59:59	0.14	0.00	0.00	0.00	3.23		* Line opened on voltage regulation. Jaipur_S-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	21-11-2022	20:18:00	22-11-2022	07:39:00	0.47	0.00	0.00	0.00	11.35		* Line opened on voltage regulation. Jaipur South-421KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	22-11-2022	20:22:00	23-11-2022	07:21:00	0.46	0.00	0.00	0.00	10.98		* Line opened on voltage regulation. Agra-424 KV.

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	16-11-2022	20:18:00	17-11-2022	08:12:00	0.50	0.00	0.00	0.00	11.90		* Line opened on voltage regulation; Jaipur_S-422KV
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	26-11-2022	20:03:00	27-11-2022	07:23:00	0.47	0.00	0.00	0.00	11.33		* Line Opened on Voltage Regulation.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	12-11-2022	20:00:00	13-11-2022	09:48:00	0.58	0.00	0.00	0.00	13.80		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	06-11-2022	21:24:00	07-11-2022	07:21:00	0.42	0.00	0.00	0.00	9.95		* Line opened on voltage regulation,V-417KV
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	04-11-2022	20:11:00	05-11-2022	07:09:00	0.46	0.00	0.00	0.00	10.97		* Line opened on voltage regulation
CKT	400kV AGRA-JAIPUR SOUTH-1	LVRD	28-11-2022	21:13:00	29-11-2022	07:00:00	0.41	0.00	0.00	0.00	9.78		* Line opened on voltage regulation. Agra-422KV
							7.85	0.00	0.00	0.00	187.92	100.00	
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	09-11-2022	20:26:00	10-11-2022	09:49:00	0.56	0.00	0.00	0.00	13.38		* Line opened on voltage regulation.Agra- 422 KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	13-11-2022	20:08:00	14-11-2022	07:20:00	0.47	0.00	0.00	0.00	11.20		* Line opened on voltage regulation. Agra-425 KV
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	03-11-2022	21:20:00	04-11-2022	06:19:00	0.37	0.00	0.00	0.00	8.98		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	17-11-2022	20:38:00	18-11-2022	07:32:00	0.45	0.00	0.00	0.00	10.90		* Line opened on voltage regulation; Agra-428KV
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	11-11-2022	20:03:00	12-11-2022	06:59:00	0.46	0.00	0.00	0.00	10.93		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	23-11-2022	20:39:00	24-11-2022	07:23:00	0.45	0.00	0.00	0.00	10.73		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	25-11-2022	19:30:00	26-11-2022	07:56:00	0.52	0.00	0.00	0.00	12.43		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	15-11-2022	20:17:00	16-11-2022	06:24:00	0.42	0.00	0.00	0.00	10.12		* Line opened on voltage regulation,Agra424KV
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	19-11-2022	20:13:00	20-11-2022	07:05:00	0.45	0.00	0.00	0.00	10.87		* Line opened on voltage regulation. Agra-421KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	29-11-2022	20:39:00	30-11-2022	07:41:00	0.46	0.00	0.00	0.00	11.03		* Line opened on voltage regulation. Agra-422KV
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	07-11-2022	20:42:00	08-11-2022	09:43:00	0.54	0.00	0.00	0.00	13.02		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	27-11-2022	19:32:00	28-11-2022	06:54:00	0.47	0.00	0.00	0.00	11.37		* Line opened on voltage regulation.Jaipur(s)-413KV
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	01-11-2022	00:00:01	01-11-2022	06:41:00	0.28	0.00	0.00	0.00	6.68		* Line opened on voltage regulation. Agra-425KV

## Standard of Performance data for the month of Nov-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
CKT	400kV AGRA-JAIPUR SOUTH-2	LVRD	05-11-2022	21:41:00	06-11-2022	09:16:00	0.48	0.00	0.00	0.00	11.58		* Line opened on voltage regulation,Agra-420KV* Page
							6.38	0.00	0.00	0.00	153.22	100.00	
CKT	400kV AGRA-SIKAR-1	LVRD	20-11-2022	20:44:00	21-11-2022	06:37:00	0.41	0.00	0.00	0.00	9.88		* Line opened on voltage regulation, Agra-420KV.
CKT	400kV AGRA-SIKAR-1	LVRD	26-11-2022	20:02:00	27-11-2022	09:15:00	0.55	0.00	0.00	0.00	13.22		* Line opened on voltage regulation. Agra-423KV.
CKT	400kV AGRA-SIKAR-1	LVRD	01-11-2022	19:21:00	02-11-2022	08:21:00	0.54	0.00	0.00	0.00	13.00		* Line opened on voltage regulation. Agra=423kV
CKT	400kV AGRA-SIKAR-1	LVRD	24-11-2022	20:15:00	25-11-2022	07:25:00	0.47	0.00	0.00	0.00	11.17		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-SIKAR-1	LVRD	05-11-2022	21:41:00	06-11-2022	09:10:00	0.48	0.00	0.00	0.00	11.48		* Line opened on voltage regulation,Agra-424KV
CKT	400kV AGRA-SIKAR-1	LVRD	28-11-2022	21:15:00	29-11-2022	07:13:00	0.42	0.00	0.00	0.00	9.97		* Line opened on voltage regulation. Agra-422KV
CKT	400kV AGRA-SIKAR-1	LVRD	09-11-2022	20:24:00	10-11-2022	09:43:00	0.56	0.00	0.00	0.00	13.32		* Line opened on voltage regulation. Sikar- 418 KV.
CKT	400kV AGRA-SIKAR-1	LVRD	14-11-2022	20:30:00	15-11-2022	07:19:00	0.45	0.00	0.00	0.00	10.82		* Line opened on voltage regulation. Sikar-420KV.
CKT	400kV AGRA-SIKAR-1	LVRD	03-11-2022	21:18:00	04-11-2022	06:11:00	0.37	0.00	0.00	0.00	8.88		* Line opened on voltage regulation. Sikar-419KV.
CKT	400kV AGRA-SIKAR-1	LVRD	13-11-2022	20:09:00	14-11-2022	07:17:00	0.46	0.00	0.00	0.00	11.13		* Line opened on voltage regulation. Agra-425 KV
CKT	400kV AGRA-SIKAR-1	LVRD	16-11-2022	20:16:00	17-11-2022	08:03:00	0.49	0.00	0.00	0.00	11.78		* Line opened on voltage regulation; Sikar-422KV
CKT	400kV AGRA-SIKAR-1	LVRD	18-11-2022	19:35:00	19-11-2022	08:32:00	0.54	0.00	0.00	0.00	12.95		* Line opened on voltage regulation,Agra-416KV.
CKT	400kV AGRA-SIKAR-1	LVRD	11-11-2022	22:18:00	12-11-2022	07:05:00	0.37	0.00	0.00	0.00	8.78		* Line opened on voltage regulation. Sikar-412KV.
CKT	400kV AGRA-SIKAR-1	LVRD	30-11-2022	20:04:00	30-11-2022	23:59:59	0.16	0.00	0.00	0.00	3.93		* Line opened on voltage regulation. Sikar-423KV.
CKT	400kV AGRA-SIKAR-1	LVRD	22-11-2022	20:21:00	23-11-2022	07:18:00	0.46	0.00	0.00	0.00	10.95		* Line opened on voltage regulation. Agra-424 KV.
CKT	400kV AGRA-SIKAR-1	LVRD	21-11-2022	20:25:00	22-11-2022	07:37:00	0.47	0.00	0.00	0.00	11.20		* Line opened on voltage regulation. Voltage: 425kV
							7.20	0.00	0.00	0.00	172.46	100.00	
CKT	400kV AGRA-SIKAR-2	LVRD	06-11-2022	21:23:00	07-11-2022	07:05:00	0.40	0.00	0.00	0.00	9.70		* Line opened on voltage regulation,V-415KV
CKT	400kV AGRA-SIKAR-2	LVRD	19-11-2022	20:11:00	20-11-2022	07:43:00	0.48	0.00	0.00	0.00	11.53		* Line opened on voltage regulation. Agra-421KV.

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV AGRA-SIKAR-2	LVRD	15-11-2022	20:15:00	16-11-2022	07:02:00	0.45	0.00	0.00	0.00	10.78		* Line opened on voltage regulation; Agra-431KV
CKT	400kV AGRA-SIKAR-2	LVRD	27-11-2022	19:30:00	28-11-2022	06:40:00	0.47	0.00	0.00	0.00	11.17		* Line opened on voltage regulation.Sikar-415KV
CKT	400kV AGRA-SIKAR-2	LVRD	29-11-2022	20:50:00	30-11-2022	07:34:00	0.45	0.00	0.00	0.00	10.73		* Line opened on voltage regulation. Agra-422KV
CKT	400kV AGRA-SIKAR-2	LVRD	25-11-2022	19:29:00	26-11-2022	07:57:00	0.52	0.00	0.00	0.00	12.47		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV AGRA-SIKAR-2	LVRD	23-11-2022	20:19:00	24-11-2022	07:22:00	0.46	0.00	0.00	0.00	11.05		* Line opened on voltage regulation. Agra-424KV.
CKT	400kV AGRA-SIKAR-2	LVRD	17-11-2022	20:03:00	18-11-2022	07:48:00	0.49	0.00	0.00	0.00	11.75		* Line opened on voltage regulation; Agra-428KV
CKT	400kV AGRA-SIKAR-2	LVRD	08-11-2022	20:23:00	09-11-2022	10:47:00	0.60	0.00	0.00	0.00	14.40		* Line opened on voltage regulation,Sikar-420KV
CKT	400kV AGRA-SIKAR-2	LVRD	12-11-2022	20:01:00	13-11-2022	09:39:00	0.57	0.00	0.00	0.00	13.63		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-SIKAR-2	LVRD	04-11-2022	21:04:00	05-11-2022	08:03:00	0.46	0.00	0.00	0.00	10.98		* Line opened on voltage regulation
CKT	400kV AGRA-SIKAR-2	LVRD	10-11-2022	19:55:00	11-11-2022	08:25:00	0.52	0.00	0.00	0.00	12.50		* Line opened on voltage regulation. Agra-425KV.
CKT	400kV AGRA-SIKAR-2	LVRD	02-11-2022	20:39:00	03-11-2022	07:35:00	0.46	0.00	0.00	0.00	10.93		* Line opened on voltage regulation. Sikar-420kV
							6.33	0.00	0.00	0.00	151.62	100.00	
CKT	400kV AJMER-AJMER(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV AJMER-AJMER(RRVPNL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BABAI(RRVPNL)-SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-DEHRADUN			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-MEERUT-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAGPAT-MEERUT-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	



## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV BAGPAT-SAHARANPUR			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 BALLABHGARH-NAVADA(HVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-HIRAPURA(RRVPNL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-JAIPUR SOUTH-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-JAIPUR SOUTH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BASSI-PHAGI(RRVPNL)-1	OSPT	18-11-2022	11:54:00	18-11-2022	19:19:00	0.31	7.42	0.00	0.00	0.00		* Shutdown for porcelain insulator cleaning and maintenance work.
							0.31	7.42	0.00	0.00	0.00	98.97	
CKT	400kV BASSI-PHAGI(RRVPNL)-2	OSPT	22-11-2022	10:31:00	22-11-2022	20:26:00	0.41	9.92	0.00	0.00	0.00		* Shutdown for porcelain insulator cleaning and maintenance work.
							0.41	9.92	0.00	0.00	0.00	98.62	
CKT	400kV BEAWAR(SREE CEMENT)-MERTA(RRVPNL)	OSFT	30-11-2022	14:13:00	30-11-2022	20:43:00	0.27	6.50	0.00	0.00	0.00		* Forced shutdown by Ajmer(PG) to check CVT voltage issue at Merta end.
							0.27	6.50	0.00	0.00	0.00	99.10	
CKT	400kV BAHADURGARH-BAWANA(DTL)	OSPT	10-11-2022	11:37:00	23-11-2022	15:10:00	13.15	315.55	0.00	0.00	0.00		* "Shutdown for Diversion works at Loc 55 for relocation of Damaged Tower inside GNCEP Campus.* Shutdown till 21.11.2022."* 31.03.2023 00:40:31 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC

## Standard of Performance data for the month of Nov-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
CKT	400kV BAHADURGARH-BAWANA(DTL)	OSFD	23-11-2022	15:10:00	23-11-2022	18:38:00	0.14	0.00	0.00	0.00	3.47		* Charging delayed by Bawana(DTL) due to problem in Main bay of 400KV Bahadurgarh line which is in same dia with 400KV Bhiwani line at Bawana end <(>&<)> 400KV Bus-1 shutdown at Bawna CCGTB end. The line charged after restoration of the 400KV Bus-1 at
							13.29	315.55	0.00	0.00	3.47	56.17	
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			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)-1	LCSD	15-11-2022	18:02:00	15-11-2022	23:43:00	0.24	0.00	0.00	0.00	5.68		* Shutdown taken for installation of Bird diverters as per Supreme Court order.
CKT	400kV BHADLA-BHADLA(RRVPNL)-1	LCSD	14-11-2022	17:16:00	14-11-2022	23:21:00	0.25	0.00	0.00	0.00	6.08		* Shutdown taken for installation of bird diverters as per Supreme Court order.
							0.49	0.00	0.00	0.00	11.76	100.00	
CKT	400kV BHADLA-BHADLA(RRVPNL)-2	LCSD	16-11-2022	17:41:00	17-11-2022	01:48:00	0.34	0.00	0.00	0.00	8.12		* Shutdown taken for installation of Bird diverters as per Supreme Court order.
							0.34	0.00	0.00	0.00	8.12	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	

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV BHIWADI-KOTPUTLI			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-1	LVRD	20-11-2022	20:32:00	21-11-2022	07:21:00	0.45	0.00	0.00	0.00	10.82		* Line opened on voltage regulation,Bhiwadi-421KV.
CKT	400kV BHIWADI-NEEMRANA-1	LVRD	11-11-2022	20:10:00	12-11-2022	06:18:00	0.42	0.00	0.00	0.00	10.13		* Line opened on voltage regulation. Bhiwadi-424KV.
CKT	400kV BHIWADI-NEEMRANA-1	LVRD	07-11-2022	21:03:00	08-11-2022	07:15:00	0.43	0.00	0.00	0.00	10.20		* Line opened on voltage regulation. Bhiwadi-423KV.
CKT	400kV BHIWADI-NEEMRANA-1	LVRD	16-11-2022	21:20:00	17-11-2022	08:00:00	0.44	0.00	0.00	0.00	10.67		* Line opened on voltage regulation. Bhiwadi-420KV.
							1.74	0.00	0.00	0.00	41.82	100.00	
CKT	400kV BHIWADI-NEEMRANA-2	LVRD	15-11-2022	21:30:00	16-11-2022	06:27:00	0.37	0.00	0.00	0.00	8.95		* Line opened on voltage regulation,Neemrana-419KV
CKT	400kV BHIWADI-NEEMRANA-2	LVRD	08-11-2022	21:11:00	09-11-2022	06:41:00	0.40	0.00	0.00	0.00	9.50		* Line opened on voltage regulation. Neemrana- 418 KV.
CKT	400kV BHIWADI-NEEMRANA-2	OSFT	01-11-2022	06:46:00	01-11-2022	10:10:00	0.14	3.40	0.00	0.00	0.00		* Line Charging delayed due to R-Ph line isolator closing issue at Bhiwadi end.
CKT	400kV BHIWADI-NEEMRANA-2	LVRD	19-11-2022	20:07:00	20-11-2022	07:45:00	0.49	0.00	0.00	0.00	11.63		* Line opened on voltage regulation. Bhiwadi-422KV.
CKT	400kV BHIWADI-NEEMRANA-2	LVRD	01-11-2022	00:00:01	01-11-2022	06:46:00	0.28	0.00	0.00	0.00	6.77		* Line opened on voltage regulation. Bhiwadi-422 KV
CKT	400kV BHIWADI-NEEMRANA-2	LVRD	23-11-2022	21:06:00	24-11-2022	07:21:00	0.43	0.00	0.00	0.00	10.25		* Line opened on voltage regulation,V-418KV
							2.11	3.40	0.00	0.00	47.10	99.53	
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			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-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(HVPL)			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	OSFT	18-11-2022	14:07:00	18-11-2022	18:06:00	0.17	3.98	0.00	0.00	0.00		* Forced shutdown for replacement of melted jumper on R phase at tower loc 371.
							0.17	3.98	0.00	0.00	0.00	99.45	

## Standard of Performance data for the month of Nov-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
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)	OSPD	03-11-2022	18:31:00	03-11-2022	22:17:00	0.16	0.00	0.00	0.00	3.77		* Shutdown by RRVPNL for maintenance work at their end.
							0.16	0.00	0.00	0.00	3.77	100.00	
CKT	400kV BAMNOLI(DTL)-TUGHLAKABD-1	LART	23-11-2022	22:11:00	23-11-2022	22:11:00	0.00	0.00	0.00	0.00	0.00		* Line Auto reclosed successfully on Y-N Fault. FLR: Tughlakabad: 5.28Ka/50Km. Fault under DTL jurisdiction.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV BAMNOLI(DTL)-TUGHLAKABD-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BAREILY-MEERUT-3(LILO PART MEERUT)	LCSD	21-11-2022	09:45:00	21-11-2022	20:28:00	0.45	0.00	0.00	0.00	10.72		* "Shutdown for stringing <(>&<)> overhead crossing of conductors in the* span 50/0 - 51/0 of U/C 400 kV D/C Muradnagar - Simbhavali* Line. PMSTL TBCB approved in 38th Standing Committee Meeting at serial number 3.9.2 part-A point (ii) on page number 8."
							0.45	0.00	0.00	0.00	10.72	100.00	
CKT	400KV-BAREILY-MEERUT-4(LILO PART MEERUT)	LCSD	21-11-2022	09:48:00	21-11-2022	20:30:00	0.45	0.00	0.00	0.00	10.70		* "Shutdown for stringing <(>&<)> overhead crossing of conductors in the* span 50/0 - 51/0 of U/C 400 kV D/C Muradnagar - Simbhavali* Line. PMSTL TBCB approved in 38th Standing Committee Meeting at serial number 3.9.2 part-A point (ii) on page number 8."
							0.45	0.00	0.00	0.00	10.70	100.00	

## Standard of Performance data for the month of Nov-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
CKT	400kV BAWANA(DTL)-BHIWANI	OSFD	23-11-2022	15:10:00	23-11-2022	18:31:00	0.14	0.00	0.00	0.00	3.35		* Charging delayed by Bawana due to problem in Main bay of 400KV Bahadurgarh line which is same dia with 400KV Bhiwani line at Bawana end, and 400KV Bus-1 shutdown at Bawna CCGTB end. The line charged after restoration of the 400KV Bus-1 at Bawna end.
CKT	400kV BAWANA(DTL)-BHIWANI	OSPT	10-11-2022	12:06:00	23-11-2022	15:10:00	13.13	315.07	0.00	0.00	0.00		* "Shutdown for Diversion works at Loc 55 for relocation of Damaged Tower inside GNCEP Campus.* Shutdown till 21.11.2022."* 31.03.2023 00:36:20 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
							13.27	315.07	0.00	0.00	3.35	56.24	
CKT	400kV CHITTORGARH-CHITTORGARH(RRVPNL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV CHITTORGARH-CHITTORGARH(RRVPNL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-GREATER NOIDA(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-MANDOLA-1	LEFT	15-11-2022	19:04:00	15-11-2022	23:56:00	0.20	4.87	0.00	0.00	0.00		* Line tripped on R-N (Ph-earth) transient fault. FLR: 8.02kA,16.73kM from Mandola end. Fault under Dadri TL jurisdiction.
							0.20	4.87	0.00	0.00	0.00	99.32	
CKT	400kV DADRI(NTPC)-MANDOLA-2	OSPD	18-11-2022	09:41:00	18-11-2022	21:07:00	0.48	0.00	0.00	0.00	11.43		* Shutdown by NTPC for R-ph LA replacement on completion of service life by NTPC at their Dadri(NT) end.

## Standard of Performance data for the month of Nov-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
							0.48	0.00	0.00	0.00	11.43	100.00	
CKT	400kV DADRI(NTPC)-MAHRANIBAGH	LART	30-11-2022	14:22:00	30-11-2022	14:22:00	0.00	0.00	0.00	0.00	0.00		* Auto reclosed successfully on B-N (Ph-earth) transient fault. FLR Maharaniabagh: 4.3kA/21.28km(Main-1), 4.4kA/21.47km(Main-2). Fault under Dadri TL Jurisdiction.
CKT	400kV DADRI(NTPC)-MAHRANIBAGH	OMSU	09-11-2022	16:05:00	09-11-2022	21:39:00	0.23	0.00	5.57	0.00	0.00		* Line tripped on R-N fault due to damaged R-ph Wave Trap <(>&<)> Smoke observed from it at Dadri NTPC end. Later S/D taken by NTPC vide code NR-2280 to attend damaged wave trap at their Dadri end.
CKT	400kV DADRI(NTPC)-MAHRANIBAGH	OSFT	09-11-2022	21:39:00	10-11-2022	18:02:00	0.85	20.38	0.00	0.00	0.00		* Charging attempt failed on SOTF. FLR:Maharaniabagh- R-N,34.50 KM/11.520 kA.
							1.08	20.38	5.57	0.00	0.00	97.15	
CKT	400kV DADRI(NTPC)-MURADNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	15-11-2022	20:31:00	16-11-2022	05:46:00	0.39	0.00	0.00	0.00	9.25		* Line opened on voltage regulation. Dadri- 425KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	26-11-2022	20:21:00	27-11-2022	07:26:00	0.46	0.00	0.00	0.00	11.08		* Line opened on voltage regulation. Dadri-422KV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	04-11-2022	21:06:00	05-11-2022	06:52:00	0.41	0.00	0.00	0.00	9.77		* Line opened on voltage regulation
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	14-11-2022	00:39:00	14-11-2022	06:43:00	0.25	0.00	0.00	0.00	6.07		* Line opened on voltage regulation.Dadri=422kV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	14-11-2022	21:19:00	15-11-2022	07:02:00	0.41	0.00	0.00	0.00	9.72		* Line opened on voltage regulation.Dadri=422kV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	20-11-2022	03:32:00	20-11-2022	06:25:00	0.12	0.00	0.00	0.00	2.88		* Line opened on voltage regulation. Dadri-420KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	11-11-2022	22:15:00	12-11-2022	06:35:00	0.35	0.00	0.00	0.00	8.33		* Line opened on voltage regulation. Dadri-416KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	06-11-2022	21:27:00	07-11-2022	06:52:00	0.39	0.00	0.00	0.00	9.42		* Line opened on voltage regulation

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	16-11-2022	20:18:00	17-11-2022	06:24:00	0.42	0.00	0.00	0.00	10.10		* Line opened on voltage regulation. Dadri-422KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	10-11-2022	21:10:00	11-11-2022	07:58:00	0.45	0.00	0.00	0.00	10.80		* Line opened on voltage regulation. Dadri-425KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	22-11-2022	20:18:00	23-11-2022	07:01:00	0.45	0.00	0.00	0.00	10.72		* Line opened on voltage regulation,Dadri-422KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LART	20-11-2022	02:34:00	20-11-2022	02:34:00	0.00	0.00	0.00	0.00	0.00		* Autoreclosed successfully during R-N fault. Panipat-71KM/3.6KA, Dadri 27KM, Z-1. Fault under Dadri TL jurisdiction.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	18-11-2022	21:19:00	19-11-2022	06:45:00	0.39	0.00	0.00	0.00	9.43		* Line opened on voltage regulation, Dadri- 420KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	21-11-2022	20:33:00	22-11-2022	06:50:00	0.43	0.00	0.00	0.00	10.28		* Line opened on voltage regulation. Dadri NT-422KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	12-11-2022	21:25:00	13-11-2022	05:55:00	0.35	0.00	0.00	0.00	8.50		* Line opened on voltage regulation.Dadri-420KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	09-11-2022	22:40:00	10-11-2022	09:13:00	0.44	0.00	0.00	0.00	10.55		* Line opened on voltage regulation. Dadri-424 KV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	29-11-2022	21:29:00	30-11-2022	07:20:00	0.41	0.00	0.00	0.00	9.85		* Line opened on voltage regulation. Dadri-417kV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	LVRD	30-11-2022	20:55:00	30-11-2022	23:59:59	0.13	0.00	0.00	0.00	3.08		* Line opened on voltage regulation. Dadri-420KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	OSPT	28-11-2022	10:28:00	28-11-2022	19:33:00	0.38	9.08	0.00	0.00	0.00		* Shutdown for annual maintenance works.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-1	OMSU	22-11-2022	13:46:00	22-11-2022	15:31:00	0.07	0.00	1.75	0.00	0.00		* Tripped only from Panipat end on Zone - 4 protection operated at Dadri* during the tripping ICT-2 at NTPC Dadri on differential protection due to* fault in its R-ph CT.
							6.70	9.08	1.75	0.00	149.83	98.74	
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	20-11-2022	23:23:00	21-11-2022	07:02:00	0.32	0.00	0.00	0.00	7.65		* Line opened on voltage regulation,Dadri-423KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	01-11-2022	22:47:00	02-11-2022	07:57:00	0.38	0.00	0.00	0.00	9.17		* Line opened on voltage regulation. Dadri-425KV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	28-11-2022	21:12:00	29-11-2022	06:22:00	0.38	0.00	0.00	0.00	9.17		* Line opened on voltage regulation. Dadri-422KV

## Standard of Performance data for the month of Nov-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
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	OSPT	24-11-2022	10:42:00	24-11-2022	18:11:00	0.31	7.48	0.00	0.00	0.00		* Shutdown by NR-2 for annual maintenance planned works and to attend hotspot on wavetrap at Panipat end.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	06-11-2022	01:18:00	06-11-2022	08:35:00	0.30	0.00	0.00	0.00	7.28		* Line opened on voltage regulation.Dadri-422kV
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	03-11-2022	22:12:00	04-11-2022	05:40:00	0.31	0.00	0.00	0.00	7.47		* Line opened on voltage regulation. Dadri-420KV.
CKT	400kV DADRI(NTPC)-PANIPAT(BBMB)-2	LVRD	02-11-2022	21:21:00	03-11-2022	07:09:00	0.41	0.00	0.00	0.00	9.80		* Line opened on voltage regulation. Dadri-422KV.
							2.41	7.48	0.00	0.00	50.54	98.96	
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	03-11-2022	21:26:00	04-11-2022	06:17:00	0.37	0.00	0.00	0.00	8.85		* Line opened on voltage regulation. DDN-422KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	01-11-2022	01:17:00	01-11-2022	05:59:00	0.20	0.00	0.00	0.00	4.70		* Line opened on voltage regulation. Dehradun-425KV
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	19-11-2022	20:08:00	20-11-2022	07:26:00	0.47	0.00	0.00	0.00	11.30		* Line opened on voltage regulation. Dehradun-421KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	16-11-2022	21:20:00	17-11-2022	08:17:00	0.46	0.00	0.00	0.00	10.95		* Line opened on voltage regulation. Dehradun-420KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	11-11-2022	22:15:00	12-11-2022	06:46:00	0.36	0.00	0.00	0.00	8.52		* Line opened on voltage regulation. Dehradun-416KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	06-11-2022	00:26:00	06-11-2022	09:46:00	0.39	0.00	0.00	0.00	9.33		* Line opened on voltage regulation. 419kV
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	23-11-2022	21:11:00	24-11-2022	05:48:00	0.36	0.00	0.00	0.00	8.62		* Line opened on voltage regulation,V-415KV
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	30-11-2022	21:32:00	30-11-2022	23:59:59	0.10	0.00	0.00	0.00	2.47		* Line opened on voltage regulation. Dehradun-420KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	27-11-2022	21:13:00	28-11-2022	09:21:00	0.51	0.00	0.00	0.00	12.13		* Line opened on voltage regulation.Dehradun-418KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	07-11-2022	22:05:00	08-11-2022	06:25:00	0.35	0.00	0.00	0.00	8.33		* Line opened on voltage regulation.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	14-11-2022	21:21:00	15-11-2022	07:02:00	0.40	0.00	0.00	0.00	9.68		* Line opened on voltage regulation.Dehradun-422KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	12-11-2022	21:39:00	13-11-2022	07:29:00	0.41	0.00	0.00	0.00	9.83		* Line opened on voltage regulation.Dehradun-419KV.
CKT	400kV DEHRADUN-ABDULLAPUR-1	LVRD	21-11-2022	21:39:00	22-11-2022	06:57:00	0.39	0.00	0.00	0.00	9.30		* Line opened on voltage regulation. Abdullapur:420kV
							4.77	0.00	0.00	0.00	114.01	100.00	
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	22-11-2022	21:05:00	23-11-2022	06:56:00	0.41	0.00	0.00	0.00	9.85		* Line opened on voltage regulation,V-418KV



**Standard of Performance data for the month of Nov-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
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	04-11-2022	22:49:00	05-11-2022	06:37:00	0.33	0.00	0.00	0.00	7.80		* Line opened on voltage regulation
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	28-11-2022	20:14:00	29-11-2022	06:34:00	0.43	0.00	0.00	0.00	10.33		* Line opened on voltage regulation.Dehradun-419KV
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	29-11-2022	21:29:00	30-11-2022	06:56:00	0.39	0.00	0.00	0.00	9.45		* Line opened on voltage regulation. Dehradun=418kV
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	15-11-2022	21:02:00	16-11-2022	05:44:00	0.36	0.00	0.00	0.00	8.70		* Line opened on voltage regulation,Dehradun-417KV.
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	08-11-2022	20:43:00	09-11-2022	06:10:00	0.39	0.00	0.00	0.00	9.45		* Line opened on voltage regulation. Dehradun- 420 KV.
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	06-11-2022	21:26:00	07-11-2022	06:50:00	0.39	0.00	0.00	0.00	9.40		* Line opened on voltage regulation,V-417KV
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	20-11-2022	20:27:00	21-11-2022	06:34:00	0.42	0.00	0.00	0.00	10.12		* Line opened on voltage regulation,Dehradun-423KV.
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	24-11-2022	21:17:00	25-11-2022	06:17:00	0.38	0.00	0.00	0.00	9.00		* Line opened on voltage regulation.Dehradun-425KV
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	13-11-2022	21:35:00	14-11-2022	06:42:00	0.38	0.00	0.00	0.00	9.12		* Line opened on voltage regulation.Dehradun-422KV
CKT	400kV DEHRADUN-ABDULLAPUR-2	LVRD	18-11-2022	20:36:00	19-11-2022	08:06:00	0.48	0.00	0.00	0.00	11.50		* Line opened on voltage regulation, Dehradun- 419KV.
							4.36	0.00	0.00	0.00	104.72	100.00	
CKT	400KV-DWARKA-BAMNAULI-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV FATEHABAD-HISAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GR.NOIDA(UPPTCL)-NAVADA(HVPNL)	OSFT	05-11-2022	23:39:00	06-11-2022	00:53:00	0.05	1.23	0.00	0.00	0.00		* LimeTripped at 23:39hrs/05.11.2022 on R-N fault.FIR-G.Noida-* 20.62km/12.65kA,Nawada-5km.* Fault under NR-I(Ballabhagr TL).* 06.11.2022 08:01:17 INDIA Deepak Kumar (60011537)* CB auto tripped due to auto reclosure relay problem at Gr.Noida* UPPCL end.B
							0.05	1.23	0.00	0.00	0.00	99.83	

## Standard of Performance data for the month of Nov-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
CKT	400kV GURGAON-BALLABHGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GURGAON-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	
CKT	400kV GURGAON-SOHNA(STERLITE)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV GURGAON-SOHNA(STERLITE)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HAPUR(UPPTCL)-MURADNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HISAR-BHIWADI-1	OSFT	23-11-2022	14:17:00	23-11-2022	16:36:00	0.10	2.32	0.00	0.00	0.00		* Tripped on B-N fault due to fire lightened by farmer on dried tree under line corridor. FLR: Hissar: M1-67.96km/4.5kA <(>&<)> M2-63.96km/5.205kA. Bhiwadi: M1-121km/3.295kA <(>&<)> M2-115.57km/3.089kA.* 31.03.2023 00:29:25 INDIA Puneet Aggarwal (600035
CKT	400kV HISAR-BHIWADI-1	LVRD	20-11-2022	20:31:00	21-11-2022	08:40:00	0.51	0.00	0.00	0.00	12.15		* Line opened on voltage regulation, Bhiwadi-420KV.
CKT	400kV HISAR-BHIWADI-1	LVRD	01-11-2022	00:00:01	02-11-2022	09:40:00	1.40	0.00	0.00	0.00	33.67		* Line opened on voltage regulation. Bhiwadi-422 KV
							2.01	2.32	0.00	0.00	45.82	99.68	
CKT	400kV HISAR-BHIWADI-2	LVRD	16-11-2022	21:21:00	17-11-2022	08:48:00	0.48	0.00	0.00	0.00	11.45		* Line opened on voltage regulation. Bhiwadi-422KV.
							0.48	0.00	0.00	0.00	11.45	100.00	
CKT	400kV HISAR-BHIWADI-3	LVRD	15-11-2022	20:26:00	16-11-2022	10:02:00	0.57	0.00	0.00	0.00	13.60		* Line opened on voltage regulation,Bhiwadi-410KV
CKT	400kV HISAR-BHIWADI-3	LVRD	08-11-2022	21:12:00	09-11-2022	06:51:00	0.40	0.00	0.00	0.00	9.65		* Line opened on voltage regulation. Bhiwadi- 425KV.
CKT	400kV HISAR-BHIWADI-3	LVRD	27-11-2022	21:12:00	28-11-2022	08:30:00	0.47	0.00	0.00	0.00	11.30		* Line opened on voltage regulation.Bhiwadi-425KV.



## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE 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 KANKROLI-CHITTORGARH(RRVPNL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV KANKROLI-JODHPUR(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 KOTA-BEAWAR(SREE CEMENT)			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 KOTA-MERTA(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 KOTPUTLI-BASSI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	16-11-2022	10:15:00	16-11-2022	17:20:00	0.30	0.00	0.00	0.00	7.08		* Shutdown by THDC for annual maintenance and testing of Line Equipments.
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	15-11-2022	10:05:00	15-11-2022	18:02:00	0.33	0.00	0.00	0.00	7.95		* "Shutdown by THDC for Annual Maintenance and Testing of Line Equipments at their end."
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	17-11-2022	10:18:00	17-11-2022	17:59:00	0.32	0.00	0.00	0.00	7.68		* Shutdown taken by KHEP for Annual Maintenance and Testing of Line Equipments at their end.
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-1	OSPD	14-11-2022	10:32:00	14-11-2022	18:13:00	0.32	0.00	0.00	0.00	7.68		* S/D by THDC Annual Maintenance and Testing of Line Equipments.
							1.27	0.00	0.00	0.00	30.39	100.00	
CKT	400KV-KOTESHWAR(UK)-KOTESHWAR-2	OSPD	08-11-2022	10:08:00	08-11-2022	15:40:00	0.23	0.00	0.00	0.00	5.53		* Shutdown by THDC for Condition Monitoring and Health Assessment of CB by CPRI.
							0.23	0.00	0.00	0.00	5.53	100.00	
CKT	400kV KOTESHWAR-TEHRI(THDC)-1	OSPD	09-11-2022	10:01:00	09-11-2022	17:16:00	0.30	0.00	0.00	0.00	7.25		* Shutdown by THDC for Condition Monitoring of CB by CPRI at their end.
							0.30	0.00	0.00	0.00	7.25	100.00	

**Standard of Performance data for the month of Nov-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
CKT	400kV KOTESHWAR-TEHRI(THDC)-2	OSFD	10-11-2022	10:25:00	10-11-2022	16:30:00	0.25	0.00	0.00	0.00	6.08		* Forced shutdown by THDC for Condition Monitoring and testing of CB by CPRI at THDC end.
CKT	400kV KOTESHWAR-TEHRI(THDC)-2	OSFT	10-11-2022	16:31:00	10-11-2022	19:34:00	0.13	3.05	0.00	0.00	0.00		* Line did not charge from Koteshwar end due to problem in line earth switch.
							0.38	3.05	0.00	0.00	6.08	99.58	
CKT	400kV KOTESHWAR-TEHRI(THDC)-3			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MANESAR-SOHNA(STERLITE)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MANESAR-SOHNA(STERLITE)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MAHARANIBAGH-BALLABHGARH	OSFT	11-11-2022	13:24:00	11-11-2022	19:00:00	0.23	5.60	0.00	0.00	0.00		* Forced shutdown to examine the line CVT at Maharanibagh end as line CVT R-ph secondary voltage is showing sudden drift.
							0.23	5.60	0.00	0.00	0.00	99.22	
CKT	400KV-MBAGH-BAWANA-AC-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-BAWANA-AC-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-MANDOLA-AC-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MBAGH-MANDOLA-AC-CKT2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV HAPUR(UPPTCL)-MORADABAD(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	

## Standard of Performance data for the month of Nov-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
CKT	400kV MEERUT-MANDOLA-1	LART	05-11-2022	08:13:00	05-11-2022	08:13:00	0.00	0.00	0.00	0.00	0.00		* Auto reclose on R-N fault. Meerut-M1-43.70km/8.8kA,M2-54.82km/8.81kA.* Mandola-4.4km/21.49kA. Faut is in Meerut TL. No A/R in Tie CB at* Meerut and tripped. Line remains charged from Main CB.
CKT	400kV MEERUT-MANDOLA-1	LVRD	30-11-2022	01:14:00	30-11-2022	09:30:00	0.34	0.00	0.00	0.00	8.27		* Line opened on voltage regulation. Mandola=420kV
							0.34	0.00	0.00	0.00	8.27	100.00	
CKT	400kV MEERUT-MANDOLA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MANDOLA-3			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV MEERUT-MANDOLA-4	LVRD	12-11-2022	21:44:00	14-11-2022	09:26:00	1.49	0.00	0.00	0.00	35.70		* Line opened on voltage regulation.Mandola-418KV.
CKT	400kV MEERUT-MANDOLA-4	LVRD	11-11-2022	22:31:00	12-11-2022	09:58:00	0.48	0.00	0.00	0.00	11.45		* Line opened on voltage regulation. Meerut-416KV.
							1.97	0.00	0.00	0.00	47.15	100.00	
CKT	400kV MEERUT-MUZAFFARNAGAR(UPPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV NEEMRANA-BABAI(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 NEEMRANA-MANESAR-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 NEEMRANA-MANESAR-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 NEEMRANA-SIKAR-2	LVRD	11-11-2022	20:07:00	12-11-2022	09:35:00	0.56	0.00	0.00	0.00	13.47		* Line opened on voltage regulation. Sikar-425KV.
CKT	400kV NEEMRANA-SIKAR-2	LVRD	23-11-2022	21:02:00	24-11-2022	07:28:00	0.44	0.00	0.00	0.00	10.43		* Line opened on voltage regulation,V-422KV

## Standard of Performance data for the month of Nov-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
CKT	400kV NEEMRANA-SIKAR-2	LVRD	15-11-2022	21:17:00	16-11-2022	06:08:00	0.37	0.00	0.00	0.00	8.85		* Line opened on voltage regulation,Neemrana-419KV
CKT	400kV NEEMRANA-SIKAR-2	LVRD	08-11-2022	21:03:00	09-11-2022	06:36:00	0.40	0.00	0.00	0.00	9.55		* Line opened on voltage regulation. Neemrana- 418 KV.
CKT	400kV NEEMRANA-SIKAR-2	LVRD	16-11-2022	21:17:00	17-11-2022	08:05:00	0.45	0.00	0.00	0.00	10.80		* Line opened on voltage regulation. Neemrana-420KV.
CKT	400kV NEEMRANA-SIKAR-2	LVRD	20-11-2022	20:26:00	21-11-2022	08:31:00	0.50	0.00	0.00	0.00	12.08		* Line opened on voltage regulation, Neemrana-424KV
CKT	400kV NEEMRANA-SIKAR-2	LVRD	24-11-2022	21:19:00	25-11-2022	06:30:00	0.38	0.00	0.00	0.00	9.18		* Line opened on voltage regulation. Sikar-424KV.
CKT	400kV NEEMRANA-SIKAR-2	LVRD	27-11-2022	20:18:00	28-11-2022	08:25:00	0.51	0.00	0.00	0.00	12.12		* Line opened on voltage regulation.Neemrana-422KV
CKT	400kV NEEMRANA-SIKAR-2	LVRD	01-11-2022	00:00:01	01-11-2022	07:01:00	0.29	0.00	0.00	0.00	7.02		* Line opened on voltage regulation. Sikar-424 KV
CKT	400kV NEEMRANA-SIKAR-2	LVRD	07-11-2022	20:59:00	08-11-2022	07:14:00	0.43	0.00	0.00	0.00	10.25		* Line opened on voltage regulation.Sikar-424KV.
							4.33	0.00	0.00	0.00	103.75	100.00	
CKT	400kV RAPPC(NPCIL)-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 RAPPC(NPCIL)-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 RAPPC(NPCIL)-KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RAPPD(NPCIL)-KOTA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	24-11-2022	17:18:00	25-11-2022	06:38:00	0.56	0.00	0.00	0.00	13.33		* Line opened on voltage regulation.Sikar=418kV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	26-11-2022	17:40:00	27-11-2022	06:33:00	0.54	0.00	0.00	0.00	12.88		* Line opened on voltage regulation. Sikar-422KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	28-11-2022	20:16:00	29-11-2022	06:26:00	0.42	0.00	0.00	0.00	10.17		* Line opened on voltage regulation.Sikar-414KV

## Standard of Performance data for the month of Nov-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
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	30-11-2022	20:04:00	30-11-2022	23:59:59	0.16	0.00	0.00	0.00	3.93		* Line opened on voltage regulation. Sikar-425KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	04-11-2022	18:36:00	06-11-2022	06:51:00	1.51	0.00	0.00	0.00	36.25		* Line opened on voltage regulation
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	06-11-2022	19:02:00	07-11-2022	06:49:00	0.49	0.00	0.00	0.00	11.78		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	05-11-2022	20:05:00	06-11-2022	07:02:00	0.46	0.00	0.00	0.00	10.95		* Line opened on voltage regulation. Sikar-420
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	21-11-2022	19:37:00	22-11-2022	06:25:00	0.45	0.00	0.00	0.00	10.80		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	10-11-2022	17:38:00	11-11-2022	06:37:00	0.54	0.00	0.00	0.00	12.98		* Line opened on voltage regulation. Sikar-415KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	22-11-2022	20:48:00	23-11-2022	06:56:00	0.42	0.00	0.00	0.00	10.13		* Line opened on voltage regulation. Sikar=422 kV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	15-11-2022	19:18:00	16-11-2022	06:04:00	0.45	0.00	0.00	0.00	10.77		* Line opened on voltage regulation,V-421KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	01-11-2022	00:00:01	01-11-2022	05:44:00	0.24	0.00	0.00	0.00	5.73		* Line opened on voltage regulation. Sikar=418kV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	02-11-2022	20:05:00	03-11-2022	06:42:00	0.44	0.00	0.00	0.00	10.62		* Line opened on voltage regulation. Sikar-420KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	12-11-2022	19:24:00	13-11-2022	06:46:00	0.47	0.00	0.00	0.00	11.37		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	19-11-2022	20:09:00	20-11-2022	07:36:00	0.48	0.00	0.00	0.00	11.45		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	17-11-2022	20:10:00	18-11-2022	06:31:00	0.43	0.00	0.00	0.00	10.35		* Line opened on voltage regulation. Sikar-418kV.



## Standard of Performance data for the month of Nov-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
CKT	400kV RATANGARH(RRVPNL)-SIKAR-1	LVRD	08-11-2022	17:54:00	09-11-2022	06:28:00	0.52	0.00	0.00	0.00	12.57		* Line opened on voltage regulation.Sikar-420KV
							8.58	0.00	0.00	0.00	206.06	100.00	
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	03-11-2022	18:10:00	04-11-2022	05:18:00	0.46	0.00	0.00	0.00	11.13		* Line opened on voltage regulation. Sikar=416kV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	14-11-2022	19:27:00	15-11-2022	06:22:00	0.46	0.00	0.00	0.00	10.92		* Line opened on voltage regulation. Sikar-417KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	01-11-2022	19:04:00	02-11-2022	07:30:00	0.52	0.00	0.00	0.00	12.43		* Line opened on voltage regulation.Sikar-415kV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	09-11-2022	18:09:00	10-11-2022	06:37:00	0.52	0.00	0.00	0.00	12.47		* Line opened on voltage regulation. Sikar-422KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	20-11-2022	17:41:00	21-11-2022	06:22:00	0.53	0.00	0.00	0.00	12.68		* Line opened on voltage regulation. Sikar=412kV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	16-11-2022	18:30:00	17-11-2022	06:36:00	0.50	0.00	0.00	0.00	12.10		* Line opened on voltage regulation. Sikar-418kV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	27-11-2022	17:56:00	28-11-2022	06:42:00	0.53	0.00	0.00	0.00	12.77		* Line opened on voltage regulation. Sikar-416KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	07-11-2022	17:36:00	08-11-2022	07:24:00	0.58	0.00	0.00	0.00	13.80		* Line opened on voltage regulation. Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	25-11-2022	19:21:00	26-11-2022	06:53:00	0.48	0.00	0.00	0.00	11.53		* Line opened on voltage regulation.Sikar-422KV.
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	18-11-2022	20:14:00	19-11-2022	08:31:00	0.51	0.00	0.00	0.00	12.28		* Line opened on voltage regulation,Sikar-417KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	29-11-2022	20:03:00	30-11-2022	06:22:00	0.43	0.00	0.00	0.00	10.32		* Line opened on voltage regulation. Sikar-422KV
CKT	400kV RATANGARH(RRVPNL)-SIKAR-2	LVRD	11-11-2022	18:11:00	12-11-2022	09:28:00	0.64	0.00	0.00	0.00	15.28		* Line opened on voltage regulation. Sikar-422KV.



## Standard of Performance data for the month of Nov-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
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV TUGHLAKABAD-BALLABHGARH-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV TUGHLAKABAD-BALLABHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765kV AGRA-JHATIKARA	LCSD	30-11-2022	09:38:00	30-11-2022	18:52:00	0.39	0.00	0.00	0.00	9.23		* Shutdown for overhead crossing of 765kV D/C Sikar-II Aligarh (Under Construction).
CKT	765kV AGRA-JHATIKARA	LCSD	29-11-2022	09:34:00	29-11-2022	19:05:00	0.40	0.00	0.00	0.00	9.52		* Shutdown for overhead crossing of 765kV D/C Sikar-II Aligarh* Transmission Line (Under Construction).
							0.79	0.00	0.00	0.00	18.75	100.00	
CKT	765kV AJMER-BHADLA2-1	LVRD	27-11-2022	19:10:00	28-11-2022	06:42:00	0.48	0.00	0.00	0.00	11.53		* Line opened on voltage regulation.Ajmer-797KV
CKT	765kV AJMER-BHADLA2-1	LVRD	29-11-2022	19:52:00	30-11-2022	08:34:00	0.53	0.00	0.00	0.00	12.70		* Line opened on voltage regulation.Ajmer-790 KV
CKT	765kV AJMER-BHADLA2-1	LVRD	25-11-2022	17:05:00	26-11-2022	07:09:00	0.59	0.00	0.00	0.00	14.07		* Line opened on voltage regulation.Ajmer-802kV
CKT	765kV AJMER-BHADLA2-1	LVRD	14-11-2022	17:16:00	15-11-2022	09:14:00	0.67	0.00	0.00	0.00	15.97		* Line opened on voltage regulation. Ajmer-798KV
CKT	765kV AJMER-BHADLA2-1	LVRD	16-11-2022	16:56:00	17-11-2022	08:11:00	0.64	0.00	0.00	0.00	15.25		* Line opened on voltage regulation; Ajmer-798KV
CKT	765kV AJMER-BHADLA2-1	LVRD	01-11-2022	17:29:00	02-11-2022	07:40:00	0.59	0.00	0.00	0.00	14.18		* Line opened on voltage regulation. 795kV
CKT	765kV AJMER-BHADLA2-1	LVRD	20-11-2022	17:17:00	21-11-2022	07:13:00	0.58	0.00	0.00	0.00	13.93		* Line opened on voltage regulation. Ajmer=794kV
CKT	765kV AJMER-BHADLA2-1	LVRD	11-11-2022	17:42:00	12-11-2022	08:11:00	0.60	0.00	0.00	0.00	14.48		* Line opened on voltage regulation. Ajmer-799KV.
CKT	765kV AJMER-BHADLA2-1	LVRD	13-11-2022	19:56:00	14-11-2022	08:48:00	0.54	0.00	0.00	0.00	12.87		* Line opened on voltage regulation. Ajmer-799KV
CKT	765kV AJMER-BHADLA2-1	LVRD	03-11-2022	17:21:00	04-11-2022	05:34:00	0.51	0.00	0.00	0.00	12.22		* Line opened on voltage regulation. Ajmer=794kV
CKT	765kV AJMER-BHADLA2-1	LVRD	18-11-2022	17:13:00	19-11-2022	06:06:00	0.54	0.00	0.00	0.00	12.88		* Line opened on voltage regulation,Ajmer-796KV
CKT	765kV AJMER-BHADLA2-1	LVRD	23-11-2022	17:22:00	24-11-2022	06:23:00	0.54	0.00	0.00	0.00	13.02		* Line opened on voltage regulation. Ajmer-792KV.

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
							6.81	0.00	0.00	0.00	163.10	100.00	
CKT	765kV AJMER-BHADLA2-2	LVRD	04-11-2022	19:59:00	05-11-2022	06:43:00	0.45	0.00	0.00	0.00	10.73		* Line opened on voltage regulation
CKT	765kV AJMER-BHADLA2-2	LVRD	12-11-2022	20:04:00	13-11-2022	06:51:00	0.45	0.00	0.00	0.00	10.78		* Line opened on voltage regulation. Ajmer-799KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	01-11-2022	00:00:01	01-11-2022	07:40:00	0.32	0.00	0.00	0.00	7.67		* Line opened on voltage regulation. Ajmer=795kV
CKT	765kV AJMER-BHADLA2-2	LVRD	06-11-2022	20:03:00	07-11-2022	08:08:00	0.50	0.00	0.00	0.00	12.08		* Line opened on voltage regulation. Ajmer-795KV.
CKT	765kV AJMER-BHADLA2-2	LCSD	06-11-2022	16:14:00	06-11-2022	20:03:00	0.16	0.00	0.00	0.00	3.82		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765kV AJMER-BHADLA2-2	LVRD	09-11-2022	20:11:00	10-11-2022	08:34:00	0.52	0.00	0.00	0.00	12.38		* Line kept opened on voltage regulation. Ajmer-790KV.
CKT	765kV AJMER-BHADLA2-2	LCSD	09-11-2022	16:44:00	09-11-2022	20:11:00	0.14	0.00	0.00	0.00	3.45		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765kV AJMER-BHADLA2-2	LVRD	05-11-2022	20:51:00	06-11-2022	07:51:00	0.46	0.00	0.00	0.00	11.00		* Line kept opened on voltage regulation,Ajmer-790KV
CKT	765kV AJMER-BHADLA2-2	LCSD	05-11-2022	17:13:00	05-11-2022	20:51:00	0.15	0.00	0.00	0.00	3.63		* Shutdown taken for installation of bird diverters as per Supreme* Court order.
CKT	765kV AJMER-BHADLA2-2	LVRD	02-11-2022	17:14:00	03-11-2022	07:11:00	0.58	0.00	0.00	0.00	13.95		* Line opened on voltage regulation. Ajmer-798kV
CKT	765kV AJMER-BHADLA2-2	LVRD	22-11-2022	18:12:00	23-11-2022	08:26:00	0.59	0.00	0.00	0.00	14.23		* Line opened on voltage regulation. Ajmer-790KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	21-11-2022	17:18:00	22-11-2022	08:56:00	0.65	0.00	0.00	0.00	15.63		* Line opened on voltage regulation. Ajmer-792KV.
CKT	765kV AJMER-BHADLA2-2	LCSD	04-11-2022	16:48:00	04-11-2022	19:59:00	0.13	0.00	0.00	0.00	3.18		* Shutdown taken for installation of bird diverters as per Supreme* Court order.
CKT	765kV AJMER-BHADLA2-2	LVRD	26-11-2022	18:36:00	27-11-2022	08:06:00	0.56	0.00	0.00	0.00	13.50		* Line opened on voltage regulation. Ajmer-786KV
CKT	765kV AJMER-BHADLA2-2	LVRD	17-11-2022	17:01:00	18-11-2022	08:19:00	0.64	0.00	0.00	0.00	15.30		* Line opened on voltage regulation. Ajmer-788kV.
CKT	765kV AJMER-BHADLA2-2	LCSD	10-11-2022	19:19:00	11-11-2022	09:34:00	0.59	0.00	0.00	0.00	14.25		* Shutdown taken for installation of bird diverters as per Supreme Court order.

## Standard of Performance data for the month of Nov-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
CKT	765kV AJMER-BHADLA2-2	LCSD	08-11-2022	15:59:00	08-11-2022	19:54:00	0.16	0.00	0.00	0.00	3.92		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765kV AJMER-BHADLA2-2	LCSD	07-11-2022	16:10:00	07-11-2022	20:27:00	0.18	0.00	0.00	0.00	4.28		* Shutdown for installation of bird diverters as per Supreme Court order.
CKT	765kV AJMER-BHADLA2-2	LCSD	10-11-2022	16:39:00	10-11-2022	19:19:00	0.11	0.00	0.00	0.00	2.67		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765kV AJMER-BHADLA2-2	LVRD	30-11-2022	17:36:00	30-11-2022	23:59:59	0.27	0.00	0.00	0.00	6.40		* Line opened on voltage regulation. Ajmer-790KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	15-11-2022	16:44:00	16-11-2022	09:45:00	0.71	0.00	0.00	0.00	17.02		* Line opened on voltage regulation; Bhadla2-796KV
CKT	765kV AJMER-BHADLA2-2	LVRD	28-11-2022	17:53:00	29-11-2022	06:40:00	0.53	0.00	0.00	0.00	12.78		* Line opened on voltage regulation.Ajmer-789KV
CKT	765kV AJMER-BHADLA2-2	LVRD	07-11-2022	20:27:00	08-11-2022	10:01:00	0.57	0.00	0.00	0.00	13.57		* Line opened on voltage regulation. Ajmer-800KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	24-11-2022	17:06:00	25-11-2022	08:40:00	0.65	0.00	0.00	0.00	15.57		* Line opened on voltage regulation. Bhadla2=796kV
CKT	765kV AJMER-BHADLA2-2	LVRD	19-11-2022	17:40:00	20-11-2022	07:01:00	0.56	0.00	0.00	0.00	13.35		* Line opened on voltage regulation. Ajmer-790KV.
CKT	765kV AJMER-BHADLA2-2	LVRD	08-11-2022	19:54:00	09-11-2022	09:53:00	0.58	0.00	0.00	0.00	13.98		* Line kept opened on voltage regulation. Ajmer-788KV.
							11.21	0.00	0.00	0.00	269.12	100.00	
CKT	765kV BHADLA-BIKANER-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	765kV BHADLA-BIKANER-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	26-11-2022	20:14:00	27-11-2022	09:10:00	0.54	0.00	0.00	0.00	12.93		* Line opened on voltage regulation. Bhiwani-775KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	24-11-2022	20:10:00	25-11-2022	09:14:00	0.54	0.00	0.00	0.00	13.07		* Line opened on voltage regulation. Bhiwani=798kV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	06-11-2022	20:16:00	07-11-2022	09:22:00	0.55	0.00	0.00	0.00	13.10		* Line opened on voltage regulation. Bhiwani-795KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	13-11-2022	19:50:00	14-11-2022	09:41:00	0.58	0.00	0.00	0.00	13.85		* Line opened on voltage regulation. Bhiwani-798KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	12-11-2022	20:16:00	13-11-2022	10:04:00	0.58	0.00	0.00	0.00	13.80		* Line opened on voltage regulation. Bhiwani-798KV.

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	17-11-2022	20:07:00	18-11-2022	09:57:00	0.58	0.00	0.00	0.00	13.83		* Line opened on voltage regulation; Bhiwani-796KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	22-11-2022	20:30:00	23-11-2022	09:25:00	0.54	0.00	0.00	0.00	12.92		* Line opened on voltage regulation. Bhiwani-790 KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	02-11-2022	20:21:00	03-11-2022	07:07:00	0.45	0.00	0.00	0.00	10.77		* Line opened on voltage regulation. Bhiwani-795kV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	30-11-2022	17:26:00	30-11-2022	23:59:59	0.27	0.00	0.00	0.00	6.57		* Line opened on voltage regulation. Bhiwani-790KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	29-11-2022	17:02:00	30-11-2022	09:33:00	0.69	0.00	0.00	0.00	16.52		* Line opened on voltage regulation.Bhiwani-789KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	10-11-2022	19:39:00	11-11-2022	08:14:00	0.52	0.00	0.00	0.00	12.58		* Line opened on voltage regulation. Bhiwani-798KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	15-11-2022	20:25:00	16-11-2022	09:45:00	0.56	0.00	0.00	0.00	13.33		* Line opened on voltage regulation,Bhiwani-770KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	28-11-2022	17:23:00	29-11-2022	08:38:00	0.64	0.00	0.00	0.00	15.25		* Line opened on voltage regulation.Bhiwani-789KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	08-11-2022	19:09:00	09-11-2022	09:55:00	0.62	0.00	0.00	0.00	14.77		* Line opened on voltage regulation. Phagi=794kV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	04-11-2022	20:20:00	05-11-2022	09:30:00	0.55	0.00	0.00	0.00	13.17		* Line opened on voltage regulation
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	19-11-2022	16:13:00	20-11-2022	09:16:00	0.71	0.00	0.00	0.00	17.05		* Line opened on voltage regulation. Bhiwani-785KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-1	LVRD	01-11-2022	00:00:01	01-11-2022	07:11:00	0.30	0.00	0.00	0.00	7.18		* Line opened on voltage regulation. Bhiwani=788kV
							9.22	0.00	0.00	0.00	220.69	100.00	
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	11-11-2022	18:28:00	12-11-2022	09:41:00	0.63	0.00	0.00	0.00	15.22		* Line opened on voltage regulation. Bhiwani-798KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	23-11-2022	16:27:00	24-11-2022	09:22:00	0.71	0.00	0.00	0.00	16.92		* Line opened on voltage regulation. Bhiwani-790KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	14-11-2022	19:52:00	15-11-2022	09:56:00	0.59	0.00	0.00	0.00	14.07		* Line opened on voltage regulation. Bhiwani-792KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	05-11-2022	18:33:00	06-11-2022	10:03:00	0.65	0.00	0.00	0.00	15.50		* Line opened on voltage regulation,Bhiwani-795 KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	20-11-2022	21:30:00	21-11-2022	06:54:00	0.39	0.00	0.00	0.00	9.40		* Line opened on voltage regulation,Bhiwani-788KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	09-11-2022	20:29:00	10-11-2022	10:12:00	0.57	0.00	0.00	0.00	13.72		* Line opened on voltage regulation.Bhiwani- 789KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	16-11-2022	17:23:00	17-11-2022	09:14:00	0.66	0.00	0.00	0.00	15.85		* Line opened on voltage regulation. Bhiwani-790kV.

## Standard of Performance data for the month of Nov-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
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	07-11-2022	20:52:00	08-11-2022	09:43:00	0.54	0.00	0.00	0.00	12.85		* Line opened on voltage regulation. Bhiwani-793KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	03-11-2022	21:24:00	04-11-2022	07:13:00	0.41	0.00	0.00	0.00	9.82		* Line opened on voltage regulation. Bhiwani-789KV.
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	01-11-2022	19:51:00	02-11-2022	07:13:00	0.47	0.00	0.00	0.00	11.37		* Line opened on voltage regulation. Bhiwani=792kV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	27-11-2022	15:44:00	28-11-2022	07:26:00	0.65	0.00	0.00	0.00	15.70		* Line opened on voltage regulation.Bhiwani-789KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	18-11-2022	20:22:00	19-11-2022	09:22:00	0.54	0.00	0.00	0.00	13.00		* Line opened on voltage regulation,Bhiwani-799KV
CKT	765kV BHIWANI-PHAGI(RRVPNL)-2	LVRD	25-11-2022	19:35:00	26-11-2022	09:29:00	0.58	0.00	0.00	0.00	13.90		* Line opened on voltage regulation.Bhiwani-795KV.
							7.39	0.00	0.00	0.00	177.32	100.00	
CKT	765kV BHIWANI-MEERUT	OMSU	01-11-2022	14:33:00	01-11-2022	17:03:00	0.10	0.00	2.50	0.00	0.00		* Tripped on B-N fault caused by pilot rope during online OPGW stringing work under Northern Region Optical fibre Strengthening Scheme. FLR:Bhiwani-29.77 KM/12.82 KA,Meerut-141.28 KM/5.62 KA.
CKT	765kV BHIWANI-MEERUT	LART	21-11-2022	20:13:00	21-11-2022	20:13:00	0.00	0.00	0.00	0.00	0.00		* "Line auto-reclosed successfully on B-N fault.* Meerut(AFAS): 73.3kM, Bhiwani(AFAS): 100.3kM* Meerut(TWFL): 70.14kM Bhiwani(TWFL): 103.46 Km. Fault under Sonipat TL jurisdiction."
							0.10	0.00	2.50	0.00	0.00	100.00	

## Standard of Performance data for the month of Nov-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
CKT	765kV BHIWANI-MOGA	OSPT	01-11-2022	00:00:01	17-11-2022	17:53:00	16.75	401.88	0.00	0.00	0.00		* "Shutdown for NCRTC diversion works between tower location 130 -133. Shutdown till 29.10.2022. Anti theft charge from Bhiwani at 20:47hrs and Moga end at 20:48hrs respectively on 18.10.2022.* Line charged from Bhiwani up to tower no-119(42.76kM), Fro
							16.75	401.88	0.00	0.00	0.00	44.18	
CKT	765KV-BIKANER-BHADLA2-ACL-CKT1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765KV-BIKANER-BHADLA2-ACL-CKT2	LCSD	12-11-2022	16:47:00	12-11-2022	22:47:00	0.25	0.00	0.00	0.00	6.00		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765KV-BIKANER-BHADLA2-ACL-CKT2	LCSD	13-11-2022	16:37:00	13-11-2022	22:14:00	0.23	0.00	0.00	0.00	5.62		* Shutdown taken for installation of bird diverters as per Supreme* Court order.
CKT	765KV-BIKANER-BHADLA2-ACL-CKT2	LCSD	11-11-2022	16:25:00	11-11-2022	21:04:00	0.19	0.00	0.00	0.00	4.65		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765KV-BIKANER-BHADLA2-ACL-CKT2	LVRD	11-11-2022	21:04:00	12-11-2022	05:54:00	0.37	0.00	0.00	0.00	8.83		* Line kept opened on voltage regulation. Bikaner-785KV.
							1.04	0.00	0.00	0.00	25.10	100.00	
CKT	765kV BIKANER-MOGA-1	LVRD	13-11-2022	16:08:00	14-11-2022	06:06:00	0.58	0.00	0.00	0.00	13.97		* Line opened on voltage regulation. Bikaner-795 KV.
CKT	765kV BIKANER-MOGA-1	LVRD	01-11-2022	00:00:01	01-11-2022	05:52:00	0.24	0.00	0.00	0.00	5.87		* Line opened on voltage regulation. Bikaner=805kV
CKT	765kV BIKANER-MOGA-1	LVRD	02-11-2022	17:08:00	03-11-2022	06:27:00	0.56	0.00	0.00	0.00	13.32		* Line opened on voltage regulation. Bikaner-795kV
CKT	765kV BIKANER-MOGA-1	LVRD	15-11-2022	16:26:00	16-11-2022	06:34:00	0.59	0.00	0.00	0.00	14.13		* Line opened on voltage regulation; Bikaner-796KV
CKT	765kV BIKANER-MOGA-1	LVRD	10-11-2022	19:19:00	11-11-2022	08:10:00	0.54	0.00	0.00	0.00	12.85		* Line opened on voltage regulation. Bikaner-796KV
CKT	765kV BIKANER-MOGA-1	LVRD	17-11-2022	16:56:00	18-11-2022	06:54:00	0.58	0.00	0.00	0.00	13.97		* Line opened on voltage regulation. Bikaner-788kV.



## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	765kV BIKANER-MOGA-1	LVRD	23-11-2022	16:37:00	24-11-2022	07:10:00	0.61	0.00	0.00	0.00	14.55		* Line opened on voltage regulation. Bikaner-795KV.
CKT	765kV BIKANER-MOGA-1	LVRD	29-11-2022	16:50:00	30-11-2022	06:14:00	0.56	0.00	0.00	0.00	13.40		* Line opened on voltage regulation.Bikaner-802 KV
CKT	765kV BIKANER-MOGA-1	LVRD	25-11-2022	17:03:00	26-11-2022	07:16:00	0.59	0.00	0.00	0.00	14.22		* Line opened on voltage regulation.Bikaner-800kV
CKT	765kV BIKANER-MOGA-1	LVRD	06-11-2022	17:29:00	07-11-2022	08:53:00	0.64	0.00	0.00	0.00	15.40		* Line opened on voltage regulation. BKN-797KV.
CKT	765kV BIKANER-MOGA-1	LVRD	21-11-2022	16:43:00	22-11-2022	06:42:00	0.58	0.00	0.00	0.00	13.98		* Line opened on voltage regulation. Bikaner-790KV.
CKT	765kV BIKANER-MOGA-1	LVRD	04-11-2022	17:14:00	05-11-2022	08:27:00	0.63	0.00	0.00	0.00	15.22		* Line opened on voltage regulation
CKT	765kV BIKANER-MOGA-1	LVRD	27-11-2022	16:42:00	28-11-2022	08:54:00	0.68	0.00	0.00	0.00	16.20		* Line opened on voltage regulation.Bikaner-792KV
CKT	765kV BIKANER-MOGA-1	LVRD	08-11-2022	16:19:00	09-11-2022	08:55:00	0.69	0.00	0.00	0.00	16.60		* Line opened on voltage regulation. Bikaner=793kV
CKT	765kV BIKANER-MOGA-1	LVRD	19-11-2022	15:53:00	20-11-2022	08:30:00	0.69	0.00	0.00	0.00	16.62		* Line opened on voltage regulation. Bikaner-801KV.
CKT	765kV BIKANER-MOGA-1	LVRD	12-11-2022	16:58:00	13-11-2022	08:52:00	0.66	0.00	0.00	0.00	15.90		* Line opened on voltage regulation. Bikaner-796KV
							9.42	0.00	0.00	0.00	226.20	100.00	
CKT	765kV BIKANER-MOGA-2	LVRD	03-11-2022	16:21:00	04-11-2022	08:18:00	0.67	0.00	0.00	0.00	15.95		* Line opened on voltage regulation. Bikaner=798kV
CKT	765kV BIKANER-MOGA-2	LVRD	11-11-2022	22:13:00	12-11-2022	08:16:00	0.42	0.00	0.00	0.00	10.05		* Line opened on voltage regulation. Bikaner-770KV.
CKT	765kV BIKANER-MOGA-2	LVRD	05-11-2022	17:14:00	06-11-2022	08:35:00	0.64	0.00	0.00	0.00	15.35		* Line opened on voltage regulation,Bikaner-793KV
CKT	765kV BIKANER-MOGA-2	LVRD	28-11-2022	16:48:00	29-11-2022	07:25:00	0.61	0.00	0.00	0.00	14.62		* Line opened on voltage regulation.Bikaner-807KV
CKT	765kV BIKANER-MOGA-2	LVRD	16-11-2022	16:04:00	17-11-2022	08:33:00	0.69	0.00	0.00	0.00	16.48		* Line opened on voltage regulation. Bikaner-788kV.
CKT	765kV BIKANER-MOGA-2	LVRD	18-11-2022	17:04:00	19-11-2022	07:15:00	0.59	0.00	0.00	0.00	14.18		* Line opened on voltage regulation,Bikaner-798KV.
CKT	765kV BIKANER-MOGA-2	LVRD	24-11-2022	16:42:00	25-11-2022	06:45:00	0.59	0.00	0.00	0.00	14.05		* Line opened on voltage regulation. Bikaner=790kV
CKT	765kV BIKANER-MOGA-2	OSFT	29-11-2022	07:26:00	29-11-2022	12:02:00	0.19	4.60	0.00	0.00	0.00		* Forced Shutdown by NR-II due to R-phase CB issue at Moga end.* Line charged after taking spare reactor in service in place of Rphase.

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
CKT	765kV BIKANER-MOGA-2	LVRD	30-11-2022	16:50:00	30-11-2022	23:59:59	0.30	0.00	0.00	0.00	7.17		* Line opened on voltage regulation. Bikaner-790KV.
CKT	765kV BIKANER-MOGA-2	LVRD	26-11-2022	16:37:00	27-11-2022	07:05:00	0.60	0.00	0.00	0.00	14.47		* Line opened on voltage regulation. Bikaner-792KV
CKT	765kV BIKANER-MOGA-2	LVRD	07-11-2022	17:05:00	08-11-2022	09:25:00	0.68	0.00	0.00	0.00	16.33		* Line opened on voltage regulation. Bikaner-798KV.
CKT	765kV BIKANER-MOGA-2	LVRD	14-11-2022	16:35:00	15-11-2022	07:12:00	0.61	0.00	0.00	0.00	14.62		* Line opened on voltage regulation. Bikaner-795KV.
CKT	765kV BIKANER-MOGA-2	LVRD	01-11-2022	16:28:00	02-11-2022	06:47:00	0.60	0.00	0.00	0.00	14.32		* Line opened on voltage regulation. Bikaner=786kV
CKT	765kV BIKANER-MOGA-2	LVRD	09-11-2022	16:37:00	10-11-2022	08:51:00	0.68	0.00	0.00	0.00	16.23		* Line opened on voltage regulation. Bikaner-790kV
CKT	765kV BIKANER-MOGA-2	LVRD	22-11-2022	17:03:00	23-11-2022	06:54:00	0.58	0.00	0.00	0.00	13.85		* Line opened on voltage regulation. Bikaner=795 kV
CKT	765kV BIKANER-MOGA-2	LVRD	20-11-2022	16:04:00	21-11-2022	08:26:00	0.68	0.00	0.00	0.00	16.37		* Line opened on voltage regulation. Bikaner=788kV
							9.13	4.60	0.00	0.00	214.04	99.36	
CKT	765kV CHITTORGARH-AJMER-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	765kV CHITTORGARH-AJMER-2	LVRD	01-11-2022	22:04:00	02-11-2022	06:41:00	0.36	0.00	0.00	0.00	8.62		* Line opened on voltage regulation. Ajmer-795 KV
							0.36	0.00	0.00	0.00	8.62	100.00	
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT1	LCSD	10-11-2022	16:57:00	11-11-2022	02:39:00	0.40	0.00	0.00	0.00	9.70		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT1	LCSD	11-11-2022	16:48:00	12-11-2022	04:23:00	0.48	0.00	0.00	0.00	11.58		* Shutdown taken for installation of bird diverters as per Supreme Court order.
							0.88	0.00	0.00	0.00	21.28	100.00	
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT2	LCSD	12-11-2022	17:23:00	12-11-2022	23:35:00	0.26	0.00	0.00	0.00	6.20		* Shutdown taken for installation of bird diverters as per Supreme Court order.
CKT	765KV-FATEHGARH-II-BHADLA-I-CKT2	LCSD	13-11-2022	16:34:00	13-11-2022	23:49:00	0.30	0.00	0.00	0.00	7.25		* Shutdown taken for installation of bird diverters as per Supreme* Court order.
							0.56	0.00	0.00	0.00	13.45	100.00	

**Standard of Performance data for the month of Nov-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
CKT	765KV-FATEHGARH-II-FATEHGARH-I-CKT1	LCSD	15-11-2022	17:01:00	15-11-2022	23:54:00	0.29	0.00	0.00	0.00	6.88		* " Shut down availed for re-fixing of dislocated bird diverters as per Supreme Court order."
CKT	765KV-FATEHGARH-II-FATEHGARH-I-CKT1	LCSD	14-11-2022	17:21:00	14-11-2022	23:03:00	0.24	0.00	0.00	0.00	5.70		* Shutdown taken for installation of bird diverters as per Supreme Court order.
							0.53	0.00	0.00	0.00	12.58	100.00	
CKT	765KV-FATEHGARH-II-FATEHGARH-I-CKT2	LCSD	16-11-2022	17:08:00	16-11-2022	23:34:00	0.27	0.00	0.00	0.00	6.43		* Shutdown taken for installation of Bird diverters as per Supreme Court order.
							0.27	0.00	0.00	0.00	6.43	100.00	
CKT	765kv GREATER NOIDA(UPPTCL)-MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765kv JHATIKARA-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	765KV-KOTESHWAR-MEERUT-1	OSPT	10-11-2022	10:40:00	10-11-2022	19:18:00	0.36	8.63	0.00	0.00	0.00		* Shutdown to attend broken OPGW cable strands (4-5 nos.) between tower no. 451 -452.
							0.36	8.63	0.00	0.00	0.00	98.80	
CKT	765KV-KOTESHWAR-MEERUT-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BIKANER-1 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BIKANER-2 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF CHITTORGARH-1 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF CHITTORGARH-2 AT AJMER			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	

## Standard of Performance data for the month of Nov-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 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	330MVAR,SWLR OF AJMER-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	
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	04-11-2022	10:27:00	04-11-2022	16:23:00	0.25	0.00	0.00	0.00	5.93		* LR opened on voltage regulation
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	03-11-2022	11:14:00	03-11-2022	16:00:00	0.20	0.00	0.00	0.00	4.77		* LR opened on voltage regulation. Voltage-760KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	05-11-2022	10:29:00	05-11-2022	16:06:00	0.23	0.00	0.00	0.00	5.62		* LR opened on voltage regulation. Voltage-750KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA-2	SVRD	26-11-2022	10:53:00	26-11-2022	15:53:00	0.21	0.00	0.00	0.00	5.00		* BR opened on voltage regulation. Voltage-762KV.
							0.89	0.00	0.00	0.00	21.32	100.00	
LNR	330MVAR,SWLR OF AJMER-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	
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	12-11-2022	11:35:00	12-11-2022	16:07:00	0.19	0.00	0.00	0.00	4.53		* LR opened on voltage regulation,Voltage-770KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	20-11-2022	10:57:00	20-11-2022	15:46:00	0.20	0.00	0.00	0.00	4.82		* LR opened on voltage regulation. V-779kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	26-11-2022	10:13:00	26-11-2022	15:37:00	0.23	0.00	0.00	0.00	5.40		* LR opened on voltage regulation. Voltage-762KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	21-11-2022	12:05:00	21-11-2022	16:06:00	0.17	0.00	0.00	0.00	4.02		* LR opened on voltage regulation. Voltage:758kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	27-11-2022	10:36:00	27-11-2022	15:43:00	0.21	0.00	0.00	0.00	5.12		* LR opened on voltage regulation. Voltage-758KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	14-11-2022	11:31:00	14-11-2022	14:55:00	0.14	0.00	0.00	0.00	3.40		* LR opened on voltage regulation. Voltage-760KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	03-11-2022	10:33:00	03-11-2022	15:47:00	0.22	0.00	0.00	0.00	5.23		* LR opened on voltage regulation. Voltage-761KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	17-11-2022	10:52:00	17-11-2022	15:57:00	0.21	0.00	0.00	0.00	5.08		* LR opened on voltage regulation; Voltage- 766 KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	18-11-2022	11:23:00	18-11-2022	15:55:00	0.19	0.00	0.00	0.00	4.53		* LR opened on voltage regulation.Voltage=763kV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	04-11-2022	10:20:00	04-11-2022	16:19:00	0.25	0.00	0.00	0.00	5.98		* LR opened on voltage regulation
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	28-11-2022	10:24:00	28-11-2022	16:20:00	0.25	0.00	0.00	0.00	5.93		* LR opened on voltage regulation. Voltage-754KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	05-11-2022	10:19:00	05-11-2022	15:55:00	0.23	0.00	0.00	0.00	5.60		* LR opened on voltage regulation. Voltage-750KV.

## Standard of Performance data for the month of Nov-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 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	SVRD	19-11-2022	10:36:00	19-11-2022	16:22:00	0.24	0.00	0.00	0.00	5.77		* LR opened on voltage regulation. Voltage:764kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA-2	SVRD	01-11-2022	11:27:00	01-11-2022	15:28:00	0.17	0.00	0.00	0.00	4.02		* LR opened on voltage regulation. Voltage-761KV.
							2.90	0.00	0.00	0.00	69.43	100.00	
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	10-11-2022	11:34:00	10-11-2022	16:06:00	0.19	0.00	0.00	0.00	4.53		* LR opened on voltage regulation. Volatge-761kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	28-11-2022	11:33:00	28-11-2022	15:39:00	0.17	0.00	0.00	0.00	4.10		* LR opened on voltage regulation. Voltage-755kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	20-11-2022	10:34:00	20-11-2022	14:22:00	0.16	0.00	0.00	0.00	3.80		* LR opened on voltage regulation,V-765KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	01-11-2022	10:47:00	01-11-2022	15:28:00	0.20	0.00	0.00	0.00	4.68		* LR opened on voltage regulation. Voltage-761KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	27-11-2022	10:36:00	27-11-2022	15:48:00	0.22	0.00	0.00	0.00	5.20		* LR opened on voltage regulation. Voltage-758KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	05-11-2022	10:53:00	05-11-2022	15:47:00	0.20	0.00	0.00	0.00	4.90		* LR opened on voltage regulation. Voltage-755KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	14-11-2022	10:57:00	14-11-2022	15:04:00	0.17	0.00	0.00	0.00	4.12		* LR opened on voltage regulation. Voltage-760KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	21-11-2022	10:47:00	21-11-2022	16:03:00	0.22	0.00	0.00	0.00	5.27		* BR opened on voltage regulation. Voltage:756kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	02-11-2022	11:03:00	02-11-2022	16:12:00	0.22	0.00	0.00	0.00	5.15		* LR opened on voltage regulation-Voltage-759kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	17-11-2022	10:37:00	17-11-2022	15:56:00	0.22	0.00	0.00	0.00	5.32		* LR opened on voltage regulation; Voltage - 766 KV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	26-11-2022	10:17:00	26-11-2022	16:29:00	0.26	0.00	0.00	0.00	6.20		* LR opened on voltage regulation. Voltage-758KV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	18-11-2022	10:56:00	18-11-2022	16:30:00	0.23	0.00	0.00	0.00	5.57		* LR opened on voltage regulation. Voltage=762kV.
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	19-11-2022	10:34:00	19-11-2022	16:25:00	0.24	0.00	0.00	0.00	5.85		* LR opened on voltage regulation. Voltage:764kV
LNR	240MVAR,SWLR OF BIKANER-1 AT BHADLA	SVRD	03-11-2022	10:24:00	03-11-2022	17:10:00	0.28	0.00	0.00	0.00	6.77		* LR opened on voltage regulation.Voltage-758KV
							2.98	0.00	0.00	0.00	71.46	100.00	
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	20-11-2022	11:00:00	20-11-2022	15:41:00	0.20	0.00	0.00	0.00	4.68		* LR opened on voltage regulation,Voltage-779kV
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	27-11-2022	11:22:00	28-11-2022	15:40:00	1.18	0.00	0.00	0.00	28.30		* LR opened on voltage regulation. Voltage-760KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	21-11-2022	10:49:00	21-11-2022	16:34:00	0.24	0.00	0.00	0.00	5.75		* BR opened on voltage regulation. Voltage:757 kv

## Standard of Performance data for the month of Nov-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
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	04-11-2022	10:24:00	04-11-2022	15:59:00	0.23	0.00	0.00	0.00	5.58		* LR opened on voltage regulation
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	14-11-2022	10:59:00	14-11-2022	15:19:00	0.18	0.00	0.00	0.00	4.33		* LR opened on voltage regulation. Voltage-760KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	03-11-2022	10:56:00	03-11-2022	17:03:00	0.26	0.00	0.00	0.00	6.12		* LR opened on voltage regulation. Voltage-759KV
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	19-11-2022	11:13:00	19-11-2022	16:25:00	0.22	0.00	0.00	0.00	5.20		* LR opened on voltage regulation. Voltage:767kV
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	05-11-2022	11:34:00	05-11-2022	16:33:00	0.21	0.00	0.00	0.00	4.98		* LR opened on voltage regulation. Voltage-755KV.
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	10-11-2022	11:49:00	10-11-2022	16:07:00	0.18	0.00	0.00	0.00	4.30		* LR opened on voltage regulation. Voltage-765kV
LNR	240MVAR,SWLR OF BIKANER-2 AT BHADLA	SVRD	01-11-2022	11:08:00	01-11-2022	15:54:00	0.20	0.00	0.00	0.00	4.77		* LR opened on voltage regulation. Voltage-760KV.
							3.10	0.00	0.00	0.00	74.01	100.00	
LNR	240MVAR,SWLR OF MEERUT AT 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	
LNR	50MVAR,SWLR OF KANKAROLI AT BHINMAL	SVRD	01-11-2022	00:00:01	30-11-2022	23:59:59	30.00	0.00	0.00	0.00	720.00		* LR opened on voltage regulation. Voltage-398KV
							30.00	0.00	0.00	0.00	720.00	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		
							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		
							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		
							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		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF BHADLA-2 AT BIKANER	SVRD	25-11-2022	10:52:00	25-11-2022	16:40:00	0.24	0.00	0.00	0.00	5.80		* LR opened on voltage regulation. Voltage-759KV.** 25-11-2022 10:52:00 (Code - 6784)
							0.24	0.00	0.00	0.00	5.80	100.00	
LNR	240MVAR,SWLR OF BHADLA-1 AT BIKANER	SVRD	25-11-2022	10:43:00	25-11-2022	16:03:00	0.22	0.00	0.00	0.00	5.33		* LR opened on voltage regulation. Voltage-760KV.

## Standard of Performance data for the month of Nov-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
LNR	240MVAR,SWLR OF BHADLA-1 AT BIKANER	SVRD	04-11-2022	12:36:00	04-11-2022	15:59:00	0.14	0.00	0.00	0.00	3.38		* LR opened on voltage regulation
							0.36	0.00	0.00	0.00	8.71	100.00	
LNR	240MVAR,SWLR OF BANSKANTA-2 AT CHITORGRH			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	
LNR	240MVAR,SWLR OF BANSKANTA-1 AT CHITORGRH			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	
LNR	240MVAR,SWLR OF AJMER-2 AT CHITTORGARH			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	
LNR	240MVAR,SWLR OF AJMER-1 AT CHITTORGARH			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	
LNR	240MVAR,SWLR OF BHADLA1-2 AT FATEHGARH-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	
LNR	240MVAR,SWLR OF BHADLA1-1 AT FATEHGARH-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	
LNR	240MVAR,SWLR OF BHIWANI-2 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	
LNR	240MVAR,SWLR OF BHIWANI-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	
LNR	240MVAR,SWLR OF AGRA 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	
LNR	330MVAR,LR OF ALIGARH 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	

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
LNR	50MVAR,SWLR OF ZERDA AT 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	
LNR	240MVAR,SWLR OF GR.NOIDA AT 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	
LNR	50MVAR,SWLR OF AGRA-2 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF AGRA-1 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
SVC	- 300/+ 400MVAR SVC AT KANKROLI	OMST	15-11-2022	15:19:00	15-11-2022	16:21:00	0.04	1.03	0.00	0.00	0.00		* Tripped on diffrential protection of TCR 1
SVC	- 300/+ 400MVAR SVC AT KANKROLI	OSFT	02-11-2022	15:40:00	02-11-2022	18:06:00	0.10	2.43	0.00	0.00	0.00		* Forced Shutdown to attend Thyristor failure alarm
							0.14	3.46	0.00	0.00	0.00	99.52	
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	16-11-2022	20:10:00	17-11-2022	10:20:00	0.59	0.00	0.00	0.00	14.17		* Pole opened on voltage regulation. Voltage-430KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OSPT	07-11-2022	08:11:00	15-11-2022	18:17:00	8.42	202.10	0.00	0.00	0.00		* Shutdown by NR-3 for Diversion work due to infringement of rail network of Jawaharpur Thermal Power Plant.* 31.03.2023 00:42:22 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	29-11-2022	01:35:00	30-11-2022	23:59:59	1.93	0.00	0.00	0.00	46.42		* Pole opened on voltage regulation. KKR- 426KV
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	18-11-2022	23:06:00	19-11-2022	07:17:00	0.34	0.00	0.00	0.00	8.18		* Pole opened on voltage regulation. KKR-430KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	16-11-2022	00:06:00	16-11-2022	09:36:00	0.40	0.00	0.00	0.00	9.50		* Pole opened on voltage regulation. KKR- 429KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OSPT	17-11-2022	10:20:00	17-11-2022	20:33:00	0.43	10.22	0.00	0.00	0.00		* Pole de-blocked for power flow testing.



## Standard of Performance data for the month of Nov-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
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OSPT	19-11-2022	07:50:00	19-11-2022	22:42:00	0.62	14.87	0.00	0.00	0.00		* Power flow testing after software upgradation work.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	19-11-2022	22:10:00	28-11-2022	15:23:00	8.72	0.00	0.00	0.00	209.22		* Pole kept opened on voltage regulation. KKR- 421KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OSPT	16-11-2022	09:36:00	16-11-2022	19:33:00	0.42	9.95	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OSPT	18-11-2022	12:31:00	18-11-2022	20:07:00	0.32	7.60	0.00	0.00	0.00		* S/D of Pole for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	OMST	28-11-2022	16:12:00	28-11-2022	18:57:00	0.12	2.75	0.00	0.00	0.00		* Tripped due to communication lanes got faulty at Champa end* leading to Blocking of Pole.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-1	LVRD	01-11-2022	00:00:01	07-11-2022	08:11:00	6.34	0.00	0.00	0.00	152.18		* Pole opened on voltage regulation. KKR-425KV.
							28.65	247.49	0.00	0.00	439.67	65.63	
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	16-11-2022	20:13:00	17-11-2022	10:20:00	0.59	0.00	0.00	0.00	14.12		* Pole opened on voltage regulation. Voltage-430KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	16-11-2022	00:08:00	16-11-2022	09:36:00	0.39	0.00	0.00	0.00	9.47		* Pole opened on voltage regulation. KKR- 429KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	OSPT	18-11-2022	12:31:00	18-11-2022	20:07:00	0.32	7.60	0.00	0.00	0.00		* S/D of Pole for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	OSPT	17-11-2022	10:20:00	17-11-2022	20:33:00	0.43	10.22	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	OSPT	07-11-2022	08:12:00	15-11-2022	18:56:00	8.45	202.73	0.00	0.00	0.00		* Shutdown by NR-3 for Diversion work due to infringement of rail network of Jawaharpur Thermal Power Plant.* 31.03.2023 00:43:46 INDIA Puneet Aggarwal (60003530)*** Attribute Change by NRPC.

## Standard of Performance data for the month of Nov-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
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	01-11-2022	00:00:01	07-11-2022	08:12:00	6.34	0.00	0.00	0.00	152.20		* Pole opened on voltage regulation. KKR-425KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	OSPT	16-11-2022	09:36:00	16-11-2022	19:24:00	0.41	9.80	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	OSPT	19-11-2022	07:50:00	19-11-2022	22:42:00	0.62	14.87	0.00	0.00	0.00		* Power flow testing after software upgradation work.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	19-11-2022	22:10:00	29-11-2022	06:26:00	9.34	0.00	0.00	0.00	224.27		* Pole kept opened on voltage regulation. KKR- 421KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	30-11-2022	02:22:00	30-11-2022	23:59:59	0.90	0.00	0.00	0.00	21.63		* Pole opened on voltage regulation. KKR- 426KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-2	LVRD	18-11-2022	23:07:00	19-11-2022	07:30:00	0.35	0.00	0.00	0.00	8.38		* Pole opened on voltage regulation. KKR-430KV.
							28.14	245.22	0.00	0.00	430.07	65.94	
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSPT	17-11-2022	10:20:00	17-11-2022	20:33:00	0.43	10.22	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	LVRD	18-11-2022	00:11:00	18-11-2022	11:38:00	0.48	0.00	0.00	0.00	11.45		* Pole opened on voltage regulation. KKR-430KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSPT	16-11-2022	10:03:00	16-11-2022	19:37:00	0.40	9.57	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OMST	28-11-2022	16:12:00	28-11-2022	17:05:00	0.04	0.88	0.00	0.00	0.00		* Tripped due to communication lanes got faulty at Champa end* leading to Blocking of Pole.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSPT	19-11-2022	07:50:00	19-11-2022	22:42:00	0.62	14.87	0.00	0.00	0.00		* Power flow testing after software upgradation work.

## Standard of Performance data for the month of Nov-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
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OMST	26-11-2022	20:41:00	26-11-2022	21:39:00	0.04	0.97	0.00	0.00	0.00		* Pole blocked due to filter power limit protection operate at Kurukshetra end during power ramp down from 1500MW to 1000MW. Upon investigation it is found that the protective action occurred due to protection maloperation.
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OMST	04-11-2022	13:38:00	04-11-2022	14:25:00	0.03	0.78	0.00	0.00	0.00		* Pole blocked due to Filter Power limit protection operated at* Champa end. At Champa 1 A type filter was under maintenance* and 1 connected A type filter tripped on unbalance protection* leading to violation of minimum filter Power requirement resulting
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSPT	18-11-2022	11:38:00	18-11-2022	20:07:00	0.35	8.48	0.00	0.00	0.00		* S/D of Pole for power flow testing.
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-3	OSPT	07-11-2022	09:23:00	15-11-2022	19:57:00	8.44	202.57	0.00	0.00	0.00		* Shutdown by NR-3 for Diversion work due to infringement of rail network of Jawaharpur Thermal Power Plant.* 31.03.2023 00:44:15 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
							10.83	248.34	0.00	0.00	11.45	65.51	
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OSPT	18-11-2022	11:38:00	18-11-2022	20:07:00	0.35	8.48	0.00	0.00	0.00		* S/D of Pole for power flow testing.
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OSPT	16-11-2022	10:01:00	16-11-2022	19:24:00	0.39	9.38	0.00	0.00	0.00		* Pole de-blocked for power flow testing.
VALVE_HAL	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OSPT	17-11-2022	10:20:00	17-11-2022	20:33:00	0.43	10.22	0.00	0.00	0.00		* Pole de-blocked for power flow testing.

## Standard of Performance data for the month of Nov-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
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OSPT	19-11-2022	07:50:00	19-11-2022	22:42:00	0.62	14.87	0.00	0.00	0.00		* Power flow testing after software upgradation work.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OSPT	07-11-2022	09:24:00	15-11-2022	20:05:00	8.45	202.68	0.00	0.00	0.00		* Shutdown by NR-3 for Diversion work due to infringement of rail network of Jawaharpur Thermal Power Plant.* 31.03.2023 00:44:45 INDIA Puneet Aggarwal (60003530)**** Attribute Change by NRPC
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OMST	04-11-2022	13:38:00	04-11-2022	14:34:00	0.04	0.93	0.00	0.00	0.00		* Pole blocked due to Filter Power limit protection operated at* Champa end. At Champa 1 A type filter was under maintenance* and 1 connected A type filter tripped on unbalance protection* leading to violation of minimum filter Power requirement resulting
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	LVRD	18-11-2022	00:11:00	18-11-2022	11:38:00	0.48	0.00	0.00	0.00	11.45		* Pole opened on voltage regulation. KKR-430KV.
VALV E_HAL L	800kV HVDC CHAMPA-KURUKSHETRA POLE-4	OMST	26-11-2022	20:41:00	26-11-2022	21:40:00	0.04	0.98	0.00	0.00	0.00		* Pole blocked due to filter power limit protection operate at Kurukshetra end during power ramp down from 1500MW to 1000MW. Upon investigation it is found that the protective action occurred due to protection maloperation.
							10.80	247.54	0.00	0.00	11.45	65.62	
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	

## Standard of Performance data for the month of Nov-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 ATTRIBU TABLE TO ISTS Licensee	OUTAGE ATTRIBU TABLE To Others	OUTAGE ATTRIBU TABLE To System Constraint	OUTAGE ATTRIBU TABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
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	OSPT	03-11-2022	10:06:00	06-11-2022	00:12:00	2.59	62.10	0.00	0.00	0.00		* Shutdown for 220KV side CB overhauling works. Shutdown till 05.11.2022
							2.59	62.10	0.00	0.00	0.00	91.37	
XMER	315MVA,400/220kV ICT-1 AT BASSI	OSPT	01-11-2022	10:30:00	01-11-2022	22:52:00	0.52	12.37	0.00	0.00	0.00		* Shutdown for annual maintenance planned works.
							0.52	12.37	0.00	0.00	0.00	98.28	
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	500MVA,400/220kV 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-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	1500MVA,765/400kV ICT-3 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	

## Standard of Performance data for the month of Nov-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
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	500MVA,400/220kV ICT-5 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-6 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	OSPT	14-11-2022	09:14:00	14-11-2022	21:56:00	0.53	12.70	0.00	0.00	0.00		* Shutdown for annual maintenance works.
							0.53	12.70	0.00	0.00	0.00	98.24	
XMER	500MVA,400/220kV ICT-2 AT BAHADURGARH	OSPT	24-11-2022	08:28:00	24-11-2022	20:25:00	0.50	11.95	0.00	0.00	0.00		* Shutdown for annual maintenance works.
							0.50	11.95	0.00	0.00	0.00	98.34	
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	

## Standard of Performance data for the month of Nov-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
XMER	500MVA,400/220kV ICT-6 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-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	OSPT	16-11-2022	09:40:00	16-11-2022	22:07:00	0.52	12.45	0.00	0.00	0.00		* Shutdown for annual maintenance works.
							0.52	12.45	0.00	0.00	0.00	98.27	
XMER	315MVA,400/220kV ICT-2 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-3 AT BHIWADI	OSPT	18-11-2022	08:52:00	18-11-2022	19:27:00	0.44	10.58	0.00	0.00	0.00		* Shutdown for AMP works.
							0.44	10.58	0.00	0.00	0.00	98.53	
XMER	315MVA,400/220kV ICT-1 AT 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	
XMER	1000MVA,765/400kV ICT-1 AT 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	
XMER	315MVA,400/220kV ICT-2 AT 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	
XMER	1000MVA,765/400kV ICT-2 AT 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	
XMER	1000MVA,765/400kV ICT-3 AT 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	
XMER	315MVA,400/220kV ICT-1 AT BHINMAL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT BHINMAL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT BIKANER			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	

## Standard of Performance data for the month of Nov-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
XMER	1500MVA,765/400kV ICT-1 AT BIKANER			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 BIKANER			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 BIKANER			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-3 AT BAWANA DTL			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 CHITTORGARH			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 CHITTORGARH			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 DEHRADUN			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 DEHRADUN	OSFT	23-11-2022	11:35:00	23-11-2022	15:09:00	0.15	3.57	0.00	0.00	0.00		* Emergency shutdown to attend Oil leakage from one PRD of ICT 2.
							0.15	3.57	0.00	0.00	0.00	99.50	
XMER	500MVA,400/220kV ICT-1 AT DWARKA			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 DWARKA			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 DWARKA			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 DWARKA			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 FATEHGARH-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	



**Standard of Performance data for the month of Nov-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
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		
							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		
							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		
							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		
							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		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT FATEHGARH-2	OSPT	01-11-2022	18:33:00	02-11-2022	01:19:00	0.28	6.77	0.00	0.00	0.00		* Shutdown for Annual maintenance planned work.
							0.28	6.77	0.00	0.00	0.00	99.06	
XMER	1500MVA,765/400kV ICT-4 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-5 AT FATEHGARH-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-9 AT FATEHGARH-2	SCSD	18-11-2022	18:55:00	18-11-2022	19:49:00	0.04	0.00	0.00	0.00	0.90		* Shut down taken for construction related works of 400/220 Kv ICT 8 under phase-II. S/D return as per instruction of NRLDC .
XMER	500MVA,400/220kV ICT-9 AT FATEHGARH-2	SCSD	28-11-2022	18:26:00	29-11-2022	01:08:00	0.28	0.00	0.00	0.00	6.70		* Shut down taken for construction of Tie Bay 443, 400kV ICT -9 protection testing with Tie bay 443 and CSD fine tuning and other pending construction works.

## Standard of Performance data for the month of Nov-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
XMER	500MVA,400/220kV ICT-9 AT FATEHGARH-2	SCSD	27-11-2022	18:08:00	28-11-2022	01:14:00	0.30	0.00	0.00	0.00	7.10		* Shutdown for construction of Tie Bay 443, 400kV ICT -9 protection testing with Tie bay 443 and CSD fine tuning and other construction works.
							0.62	0.00	0.00	0.00	14.70	100.00	
XMER	315MVA,400/220kV ICT-1 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							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		
							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		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-4 AT GURGAON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT HISAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							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		
							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		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT JAIPUR SOUTH	OSPT	01-11-2022	10:02:00	01-11-2022	17:19:00	0.30	7.28	0.00	0.00	0.00		* Shutdown for annual maintenance planned works.
							0.30	7.28	0.00	0.00	0.00	98.99	
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		
							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		
							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		
							0.00	0.00	0.00	0.00	0.00	100.00	

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XMER	1500MVA,765/400kV ICT-3 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	
XMER	1500MVA,765/400kV ICT-4 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	
XMER	500MVA,400/220kV ICT-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	
XMER	500MVA,400/220kV ICT-2 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	
XMER	315MVA,400/220kV ICT-1 AT 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	
XMER	315MVA,400/220kV ICT-2 AT 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	
XMER	315MVA,400/220kV ICT-3 AT 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	
XMER	800MVA,765/400kV ICT-1 AT KOTESHWAR	OSPT	08-11-2022	10:13:00	08-11-2022	18:48:00	0.36	8.58	0.00	0.00	0.00		* Shutdown for 33kV insulation sleeve coating work.
							0.36	8.58	0.00	0.00	0.00	98.81	
XMER	800MVA,765/400kV ICT-2 AT KOTESHWAR	OSPT	11-11-2022	09:28:00	11-11-2022	17:52:00	0.35	8.40	0.00	0.00	0.00		* Shutdown for 33kV insulation sleeve work.
							0.35	8.40	0.00	0.00	0.00	98.83	
XMER	800MVA,765/400kV ICT-3 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	
XMER	800MVA,765/400kV ICT-4 AT KOTESHWAR	OSPT	24-11-2022	10:05:00	24-11-2022	19:04:00	0.37	8.98	0.00	0.00	0.00		* Shutdown for 33 KV tertiary insulation coating.
							0.37	8.98	0.00	0.00	0.00	98.75	
XMER	315MVA,400/220kV ICT-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	
XMER	315MVA,400/220kV ICT-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	



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							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		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT MEERUT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	1500MVA,765/400kV ICT-1 AT MEERUT	OSPT	22-11-2022	09:05:00	22-11-2022	20:48:00	0.49	11.72	0.00	0.00	0.00		* Shutdown for annual planned maintenance works.
							0.49	11.72	0.00	0.00	0.00	98.37	
XMER	1500MVA,765/400kV ICT-3 AT 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	
XMER	315MVA,400/220kV ICT-2 AT 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	
XMER	1500MVA,765/400kV ICT-2 AT 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	
XMER	315MVA,400/220kV ICT-3 AT MEERUT	OSPT	17-11-2022	09:02:00	17-11-2022	20:42:00	0.49	11.67	0.00	0.00	0.00		* Shutdown taken for AMP work.
							0.49	11.67	0.00	0.00	0.00	98.38	
XMER	500MVA,400/220kV ICT-4 AT MEERUT	OSPT	15-11-2022	08:58:00	15-11-2022	17:48:00	0.37	8.83	0.00	0.00	0.00		* Shutdown for annual maintenance planned works.
							0.37	8.83	0.00	0.00	0.00	98.77	
XMER	315MVA,400/220kV ICT-3 AT MUZAFFARNAGAR	SBBU	08-11-2022	07:02:00	08-11-2022	08:00:00	0.04	0.00	0.97	0.00	0.00		* Tripped due to 220 KV Bus Bar operated caused by LBB operation during the charging of 220 KV Muzaffarnagar-Jansath UPPCL line.
							0.04	0.00	0.97	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		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT NEEMRANA	OSFT	18-11-2022	15:40:00	18-11-2022	21:15:00	0.23	5.58	0.00	0.00	0.00		* Forced shut down taken for attending low oil level appeared due to temperature variation.
							0.23	5.58	0.00	0.00	0.00	99.22	

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XMER	315MVA,400/220kV ICT-1 AT ROORKEE	OSPT	15-11-2022	08:45:00	18-11-2022	00:35:00	2.66	63.83	0.00	0.00	0.00		* Shutdown for attending low oil level in 220 kV B phase bushing. S/D upto 18.11.2022.
							2.66	63.83	0.00	0.00	0.00	91.13	
XMER	315MVA,400/220kV ICT-2 AT ROORKEE			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 ROORKEE			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 SAHARANPUR			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 SAHARANPUR			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 SAHARANPUR	OSPT	25-11-2022	09:31:00	25-11-2022	18:01:00	0.35	8.50	0.00	0.00	0.00		* Shutdown for rectification work and attending Oil leakage in 220kV Y-ph polymer CT in 203 Bay.
							0.35	8.50	0.00	0.00	0.00	98.82	
XMER	315MVA,400/220kV ICT-1 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT SIKAR	OSFT	15-11-2022	16:14:00	15-11-2022	16:56:00	0.03	0.70	0.00	0.00	0.00		* ICT forced hand tripped to attend heavy chattering/sparking observed in 41589T isolator to avoid further damage.
							0.03	0.70	0.00	0.00	0.00	99.90	
XMER	500MVA,400/220kV ICT-3 AT SIKAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT SONIPAT			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 SONIPAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	

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XMER	500MVA,400/220kV ICT-3 AT SONIPAT	OSPT	11-11-2022	09:50:00	11-11-2022	18:53:00	0.38	9.05	0.00	0.00	0.00		* Shutdown for annual maintenance planned works.
XMER	500MVA,400/220kV ICT-3 AT SONIPAT	OSFT	17-11-2022	11:52:00	17-11-2022	15:04:00	0.13	3.20	0.00	0.00	0.00		* Forced shutdown to attend oil leakage in 207 bay 220KV B-Phase CT.
							0.51	12.25	0.00	0.00	0.00	98.30	
XMER	500MVA,400/220kV ICT-1 AT TUGHLAKABAD			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 TUGHLAKABAD			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 TUGHLAKABAD			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 TUGHLAKABAD			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	