

**Standard of Performance data for the month of September-2022**

**Name of Transmission Licensee : POWER GRID CORPORATION OF INDIA LTD., EASTERN REGION-II & ODISHA**

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-2 AT ALIPURDUAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT ALIPURDUAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	330MVAR,BUS REACTOR-1 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT ANGUL	OSPT	13/09/22	09:42:00	13/09/22	14:39:00	0.21	4.95	0.00	0.00	0.00	99.31	* 125MVAR,BUS REACTOR-2 AT ANGUL TAKEN INTO SHUTDOWN 09:42 HRS ON 13.09.2022 TO ATTEND OIL LEAKAGE IN BUCCHOLZRELAY
BSR	330MVAR,BUS REACTOR-2 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-3 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT BOLANGIR	SVRD	13/09/22	17:25:00	22/09/22	10:41:00	8.72	0.00	0.00	0.00	209.27		* HT for Voltage Regulation at 17:25hrs on 13/09/22
BSR	80MVAR,BUS REACTOR-1 AT BOLANGIR	SVRD	01/09/22	00:00:01	10/09/22	23:14:00	9.97	0.00	0.00	0.00	239.23		* H/T as per instruction of ERLDC for voltage regulation
BSR	125MVAR,BUS REACTOR-2 AT BOLANGIR	SVRD	01/09/22	16:28:00	18/09/22	21:57:00	17.23	0.00	0.00	0.00	413.48		* 125MVAR,BUS REACTOR-2 AT BOLANGIR H/T at 16:28 Hrs for voltage regulation.
BSR	125MVAR,BUS REACTOR-2 AT BOLANGIR	SVRD	30/09/22	18:33:00	30/09/22	23:59:59	0.23	0.00	0.00	0.00	5.45		* H/T FOR VOLTAGE REGULATION AS PER INSTRUCTION OF ERLDC* 07.10.2022 13:26:02 INDIA Anil Kumar Nayak (60065074)** Taken into service at 13:15 Hrs. on 07.10.2022 as per instruction of ERLDC for voltage regulation.
BSR	125MVAR,BUS REACTOR-2 AT BOLANGIR	OSPT	29/09/22	09:03:00	29/09/22	19:48:00	0.45	10.75	0.00	0.00	0.00		* Taken into shutdown at 09:03 Hrs. on 29.09.2022 for AMP works.
BSR	125MVAR,BUS REACTOR-2 AT BOLANGIR	SVRD	23/09/22	17:14:00	29/09/22	09:03:00	5.66	0.00	0.00	0.00	135.82		* HT for V/R at 17:14hrs on 23/09/2022* 29.09.2022 11:54:47 INDIA Anil Kumar Nayak (60065074)** Taken into shutdown at 09:03 Hrs. on 29.09.2022 for AMP works.
BSR	125MVAR,BUS REACTOR-1 AT BINAGURI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT BINAGURI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT BERHAMPORE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT BERHAMPORE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT BARIPADA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT BARIPADA	SVRD	01/09/22	00:00:01	13/09/22	12:04:00	12.50	0.00	0.00	0.00	300.07		* The 400 KV MVAR BR#2 at Baripada H/T for Voltage Regulation at 11:58 Hrs. on 26/08/2022,vide ERLDC code No:1055.* 13.09.2022 13:49:59 INDIA Pothuraju Rajasekhar (60065278)** Taken into service at 12:04 Hrs on 13.09.2022 as per instruction of ERLDC.
BSR	80MVAR,BUS REACTOR-1 AT DUBRI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	50MVAR,BUS REACTOR-1 AT DURGAPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT DURGAPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-3 AT DURGAPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-4 AT DURGAPUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT GOKARNA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR AT INDRAVATI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	50*2 MVAR,BUSREACTOR-1 AT JEERAT WBSET			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	63MVAR,BUS REACTOR-1 AT JEYPORE	SVRD	01/09/22	00:00:01	30/09/22	23:59:59	30.00	0.00	0.00	0.00	720.00		* HT for Voltage Regulation
BSR	125MVAR,BUS REACTOR-2 AT JEYPORE	SVRD	15/09/22	10:44:00	15/09/22	11:44:00	0.04	0.00	0.00	0.00	1.00		* 125MVAR,BUS REACTOR-2 AT JEYPORE H/T at 10:44 Hrs for voltage regulation as per instruction of ERLDC.* 15.09.2022 11:57:04 INDIA Pothuraju Rajasekhar (60065278)** Reactor taken In service at 11:44 Hrs for voltage regulation.
BSR	80MVAR,BUS REACTOR-1 AT KEONJHAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT KEONJHAR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
BSR	125MVAR,BUS REACTOR-1 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	31.5MVAR,BUS REACTOR-1 AT NEW MELLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	31.5MVAR,BUS REACTOR-2 AT NEW MELLI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT PANDIABILI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	80MVAR,BUS REACTOR-1 AT RANGPO	OSPT	28/09/22	11:43:00	28/09/22	15:35:00	0.16	3.87	0.00	0.00	0.00	99.46	* S/d taken for SF6 gas top up in bay-407 Y Ph GD-6
							0.16	3.87	0.00	0.00	0.00	99.46	
BSR	80MVAR,BUS REACTOR-2 AT RANGPO			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT RENGALI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT RENGALI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT RAJARHAT	SVRD	21/09/22	15:00:00	30/09/22	23:59:59	9.38	0.00	0.00	0.00	225.00		* Hand tripped as per ERLDC instruction for voltage regulation in the system(397/400)
BSR	125MVAR,BUS REACTOR-1 AT RAJARHAT	SVRD	01/09/22	00:00:01	03/09/22	06:28:00	2.27	0.00	0.00	0.00	54.47		* H/T FOR VOLTAGE REGULATION AS PER ERLDC INSTRUCTION.
BSR	125MVAR,BUS REACTOR-1 AT RAJARHAT	SVRD	06/09/22	18:42:00	11/09/22	04:04:00	4.39	0.00	0.00	0.00	105.37		* Hand tripped as per ERLDC instruction for voltage regulation in the system
BSR	125MVAR,BUS REACTOR-1 AT RAJARHAT	SVRD	03/09/22	15:15:00	06/09/22	06:52:00	2.65	0.00	0.00	0.00	63.62		* H/T FOR V/R AS PER ERLDC INSTRUCTION
							18.69	0.00	0.00	0.00	448.46	100.00	
BSR	125MVAR,BUS REACTOR-2 AT RAJARHAT	SVRD	21/09/22	18:34:00	30/09/22	23:59:59	9.23	0.00	0.00	0.00	221.43		* Hand tripped as per ERLDC instruction for voltage regulation in the system(394/397)
BSR	125MVAR,BUS REACTOR-2 AT RAJARHAT	SVRD	16/09/22	12:00:00	18/09/22	04:17:00	1.68	0.00	0.00	0.00	40.28		* H/T for V/R as per ERLDC instruction
BSR	125MVAR,BUS REACTOR-2 AT RAJARHAT	SVRD	01/09/22	00:00:01	10/09/22	06:12:00	9.26	0.00	0.00	0.00	222.20		* Hand tripped as per ERLDC instruction for voltage regulation in the system.
							20.17	0.00	0.00	0.00	483.91	100.00	
BSR	125MVAR,BUS REACTOR-1 AT ROURKELA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT ROURKELA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-1 AT SUBHASHGRAM	SVRD	01/09/22	00:00:01	03/09/22	06:24:00	2.27	0.00	0.00	0.00	54.40		* Hand tripped as per ERLDC instruction for voltage regulation in the system
BSR	125MVAR,BUS REACTOR-1 AT SUBHASHGRAM	SVRD	03/09/22	14:59:00	06/09/22	06:27:00	2.64	0.00	0.00	0.00	63.47		* H/T FOR V/R AS PER ERLDC INSTRUCTION
BSR	125MVAR,BUS REACTOR-1 AT SUBHASHGRAM	SVRD	07/09/22	15:01:00	13/09/22	04:16:00	5.55	0.00	0.00	0.00	133.25		* Hand tripped as per instruction of ERLDC
BSR	125MVAR,BUS REACTOR-1 AT SUBHASHGRAM	SVRD	29/09/22	18:25:00	30/09/22	23:59:59	1.23	0.00	0.00	0.00	29.58		* Hand tripped as per ERLDC instruction for voltage regulation in the system(396/398)
							11.69	0.00	0.00	0.00	280.70	100.00	
BSR	125MVAR,BUS REACTOR-1 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	240MVAR,BUS REACTOR-1 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	125MVAR,BUS REACTOR-2 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
BSR	240MVAR,BUS REACTOR-2 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV MELLI(SIKKIM)-SILIGURI-1	OMSU	15/09/22	08:41:00	15/09/22	17:40:00	0.37	0.00	8.98	0.00	0.00		* S/D FOR ERECTION OF TLA AT ROW LOCATION.
CKT	132KV MELLI(SIKKIM)-SILIGURI-1	OMSU	16/09/22	08:12:00	16/09/22	19:07:00	0.46	0.00	10.92	0.00	0.00		* S/D FOR ERECTION OF TLA AT ROW LOCATION.
CKT	132KV MELLI(SIKKIM)-SILIGURI-1	LNCC	03/09/22	00:23:00	03/09/22	01:02:00	0.03	0.00	0.00	0.65	0.00		* A/R Successful at Melli end, but tripped from Siliguri end on Y-N fault during Heavy rail and Lightning.* R/I from Siliguri: M1: F/D: 1.9 KM, F/C: 7.22 kA.
							0.86	0.00	19.90	0.65	0.00	100.00	
CKT	132KV RANGPO-CHUZHEN(GATI INFRA)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV RANGPO-CHUZHEN(GATI INFRA)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV-RANGPO-GANGTOK-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV-RANGPO-GANGTOK-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV RANGPO-MELLI(SIKKIM)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	132KV RANGIT(NHPC)-KERSEONG(WBSETCL)-1	OMSU	18/09/22	14:57:00	18/09/22	17:15:00	0.10	0.00	2.30	0.00	0.00		* LINE TRIPPED DUE TO BUS-BAR PROTECTION OPTD AT RANGIT HEP END.* R/I at Kerseong end: R-N, Z-2, F/D: 64 Km
							0.10	0.00	2.30	0.00	0.00	100.00	
CKT	132KV RANGIT(NHPC)-RAMMAM(WBSEDCL)-1	OMSU	18/09/22	14:57:00	18/09/22	17:40:00	0.11	0.00	2.72	0.00	0.00		* LINE TRIPPED DUE TO BUS-BAR PROTECTION OPTD AT RANGIT HEP END.* R/I at Rammam end: R-N, Z-2
							0.11	0.00	2.72	0.00	0.00	100.00	
CKT	132KV RANGIT(NHPC)-RANGPO-1	OMSU	18/09/22	14:57:00	18/09/22	17:08:00	0.09	0.00	2.18	0.00	0.00		* LINE TRIPPED DUE TO BUS-BAR PROTECTION OPTD AT RANGIT HEP END.* R/I at Rangpo: R-N, F/C: 752 Amp, F/D: 54.39 KM

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
							0.09	0.00	2.18	0.00	0.00	100.00	
CKT	132KV SILIGURI-KURSEONG(WBSETCL)	OMSU	26/09/22	06:50:00	26/09/22	17:42:00	0.45	0.00	10.87	0.00	0.00		* FOR ERECTION OF TLA AT ROW LOCATION.
CKT	132KV SILIGURI-KURSEONG(WBSETCL)	LART	03/09/22	00:23:00	03/09/22	00:23:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at Both ends on Y-B-N fault* R/I from Siliguri (Site) : M1: F/D: 3.1 KM, F/C: ly-6.97 KA and lb-10.91 KA
							0.45	0.00	10.87	0.00	0.00	100.00	
CKT	220KV ALIPURDUAR-SALAKATI-1	LART	03/09/22	09:14:00	03/09/22	09:14:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on R-N fault under NER Jurisdiction* R/I at Alipurduar: M1: F/D: 50.7 KM, F/C: 2.8 KA; M2: F/D: 50.7 KM, F/C: 2.792 KA; * R/I at Salakati: M1: F/D: 42.65 KM, F/C: 3.29 KA; M2: F/D: 42.2 KM, F/C: 3.3 KA;
CKT	220KV ALIPURDUAR-SALAKATI-1	LCSD	15/09/22	08:43:00	30/09/22	23:59:59	15.64	0.00	0.00	0.00	375.28		* S/D FOR RECONDUCTORING WORK UNDER NERSS-XII PKG.
							15.64	0.00	0.00	0.00	375.28	100.00	
CKT	220KV ALIPURDUAR-SALAKATI-2	LART	04/09/22	22:12:00	04/09/22	22:12:00	0.00	0.00	0.00	0.00	0.00		* 220KV Alipurduar-Salakati-2: A/R successful operated from both ends at 22:12 hrs on 04.09.2022 due to B-N fault* R/I at Alipurduar : M1: Z1, F/C: 6.8 KA, F/D: 14.18 KM; M2: Z1, F/C: 6.5 KA, F/D: 15.79 KM* R/I at Salakati: M1: Z1, F/C: 2.8 KA, F/D: 75.36 KM; M2: Z1, F/C: 1.9 KA, F/D: 71.1 KM
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV BIRPARA-ALIPURDUAR-1	OMSU	24/09/22	02:17:00	24/09/22	15:57:00	0.57	0.00	13.67	0.00	0.00		* Line Connected to Main Bus-1 tripped due to Maloperation of contact of Age-old [Make-UE] Electromagnetic LBB relay which led to operation of Busbar Protection.
							0.57	0.00	13.67	0.00	0.00	100.00	
CKT	220KV BIRPARA-ALIPURDUAR-2	LART	25/09/22	02:46:00	25/09/22	02:46:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends due to B-N, Z-1 fault during heavy rain <-&<-> thunderstorm.* R/I at Birpara:* [AFAS]: M1: F/D: 30.496kms, F/C: 3.537 KA; M2: F/D: 31.354kms, F/C: 3.516KA;* [Site]: M1: F/D: 31.24kms, F/C: 3.433 KA; M2: F/D: 32.02kms, F/C: 3.434KA;* R/I at Alipurduar:* M1: F/D: 24.8kms, F/C:4.5KA; M2: F/D:24.99kms, F/C:4.5KA.
CKT	220KV BIRPARA-ALIPURDUAR-2	LART	23/09/22	22:31:00	23/09/22	22:31:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on Y-N fault.* R/I at Birpara: M1: F/D: 0.692 KM, F/C: 11.82 kA; M2: F/D: 0.730 KM, F/C: 11.045 kA;* R/I at Alipurduar: M1: F/D: 57.5 KM, F/C: 2.02 kA, Z2 start, Zcom Optd; M2: F/D: 57 KM, F/C: 2.03 kA, Z2 start, Zcom Optd.
CKT	220KV BIRPARA-ALIPURDUAR-2	LART	06/09/22	00:30:00	06/09/22	00:30:00	0.00	0.00	0.00	0.00	0.00		* 220KV Alipurduar-Birpara-2 : A/R successfully operated from both ends at 00:30 hrs on 06.09.2022 due to Y-N fault during heavy rain <-&<-> lightning.** R/I at Alipurduar : M1: F/C: 13.8 KA, F/D: 2.5 KM; M2: F/C: 14.76 KA, F/D: 2.6 KM* R/I at Birpara: M1: F/C: 2.225 KA, F/D: 53.09 KM; M2: F/C: 2.370 KA, F/D: 55.69 KM
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV BIRPARA-BINAGURI-1	LART	24/09/22	18:52:00	24/09/22	18:52:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on R-N fault.* R/I at Birpara (Site): M1: F/D: 40.42 KM, F/C: 2.746 KA; M2: F/D: 11.03 km, F/C: 3.021 KA* R/I at Binaguri (Site): M1: F/D: 17.82 KM, F/C: 6.864 KA; M2: F/D: 26.58 KM, F/C: 6.32 KA;
CKT	220KV BIRPARA-BINAGURI-1	LART	24/09/22	19:44:00	24/09/22	19:44:00	0.00	0.00	0.00	0.00	0.00		* 220KV Birpara-Binaguri-1: A/R Successful at both ends on R-N fault at 19:44 hrs on 24.09.2022.* R/I at Birpara : M1: F/D: 23.4 KM, F/C: 2.506 KA; M2: F/D: 19.16 km, F/C: 2.749 KA* R/I at Binaguri : M1: F/D: 43 KM, F/C: 3.510 KA; M2: F/D: 40.16 KM, F/C: 3.239 KA;
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV BIRPARA-BINAGURI-2	LART	24/09/22	18:52:00	24/09/22	18:52:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on B-N fault.* R/I at Birpara (Site): M1: F/D: 30.94 KM, F/C: 3.094 KA; M2: F/D: 30.49 KM, F/C: 3.294 KA* R/I at Binaguri (Site): M1: F/D: 14.93 KM, F/C: 7.53 KA; M2: F/D: 25.29 KM, F/C: 7.93 kKa
CKT	220KV BIRPARA-BINAGURI-2	LNCC	24/09/22	19:44:00	24/09/22	20:23:00	0.03	0.00	0.00	0.65	0.00		* 220KV Birpara-Binaguri-2 tripped on R-Y-N fault at 19:44 hrs on 24.09.2022 due to heavy lighetening and Thunderstrom.* R/I at Birpara : M1: F/D: 33.63 KM, F/C: lr-3.095 KA and ly-4.754 KA; M2: F/D: 32.03 KM, F/C: lr-3.079 KA, ly-4.966KA;* R/I at Binaguri : M1: F/D: 43.3 KM, F/C: lr-3.734 KA, ly-5.011 KA; M2: F/D: 43.69 KM, F/C: lr-3.878 kA, ly- 5.011 KA;
CKT	220KV BIRPARA-BINAGURI-2	OMSU	24/09/22	02:17:00	24/09/22	05:50:00	0.15	0.00	3.55	0.00	0.00		* Line Connected to Main Bus-1 tripped due to Maloperation of contact of Age-old [Make-UE] Electromagnetic LBB relay which led to operation of Busbar Protection.
							0.18	0.00	3.55	0.65	0.00	100.00	
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-1	OMSU	24/09/22	02:17:00	24/09/22	06:11:00	0.16	0.00	3.90	0.00	0.00		* Line Connected to Main Bus-1 tripped due to Maloperation of contact of Age-old [Make-UE] Electromagnetic LBB relay which led to operation of Busbar Protection.
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-1	OMSU	22/09/22	02:19:00	22/09/22	02:57:00	0.03	0.00	0.63	0.00	0.00		* Line tripped due to R-B-N fault under BHUTAN JURISDICTION.* R/I at Birpara:* Main I: F/C: Ir: 2.606KA, lb:2.633KA; F/D: 50.03kms.* Main II: F/C: Ir: 2.577KA, lb:2.691KA; F/D: 50.1kms.
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-1	OMSU	22/09/22	03:25:00	22/09/22	07:09:00	0.16	0.00	3.73	0.00	0.00		* Line tripped due to R-B-N fault under BHUTAN JURISDICTION.* R/I at Birpara:* Main I: F/C: Ir: 2.784KA, lb:3.128KA; F/D: 48.38kms.* Main II: F/C: Ir: 2.950KA, lb:3.206KA; F/D: 47.6kms.
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-1	OMSU	28/09/22	18:06:00	28/09/22	18:59:00	0.04	0.00	0.88	0.00	0.00		* Tripped on RY-N fault under BHUTAN Jurisdiction* R/I at Birpara: M1: F/D: 46.89 KM, F/C: Ir: 2.66kA ; ly: 2.41kA; M2: F/D: 46.25 KM, F/C: Ir: 2.86kA, ly: 2.66kA;* R/I at Chukha: F/D: 23.279 KM, F/C: Ir: 2.919KA ; ly: 2.48kA

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 BIRPARA-CHUKHA(BHUTAN)-1	OMSU	16/09/22	22:57:00	17/09/22	01:12:00	0.09	0.00	2.25	0.00	0.00		* Tripped on Y-B fault under Bhutan jurisdiction* R/I at Birpara : F/C: ly-3.065 kA,lb- 2.835 kA; F/D: 70.2 KM
							0.48	0.00	11.39	0.00	0.00	100.00	
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-2	OMSU	22/09/22	03:25:00	22/09/22	07:20:00	0.16	0.00	3.92	0.00	0.00		* Line tripped due to R-B-N fault under BHUTAN JURISDICTION.* R/I at Birpara:* Main I: F/C: Ir: 3.052KA, lb:3.345KA; F/D: 47.57kms.* Main II: F/C: Ir: 3.877KA, lb:3.760KA; F/D: 46.9kms.
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-2	OMSU	22/09/22	02:19:00	22/09/22	03:12:00	0.04	0.00	0.88	0.00	0.00		* Line tripped due to R-B-N fault under BHUTAN JURISDICTION.* R/I at Birpara:* Main I: F/C: Ir: 2.571KA, lb:2.873KA; F/D: 49.99kms.* Main II: F/C: Ir: 2.527KA, lb:2.808KA; F/D: 50.0kms.
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-2	OMSU	28/09/22	18:06:00	28/09/22	19:01:00	0.04	0.00	0.92	0.00	0.00		* Tripped on RY-N fault under BHUTAN Jurisdiction* R/I at Birpara: M1: F/D: 46.45 KM, F/C: Ir: 2.74kA ; ly: 2.37kA; M2: F/D: 45.67 KM, F/C: Ir: 2.99kA, ly: 2.64kA;* R/I at Chukha: F/D: 22.706KM, F/C: Ir: 3.26kA ; ly: 2.36 kA
CKT	220KV BIRPARA-CHUKHA(BHUTAN)-2	OMSU	24/09/22	11:36:00	24/09/22	13:39:00	0.09	0.00	2.05	0.00	0.00		* S/D FOR REPLACEMENT OF ENERGY METER ON 220KV CHUKHA_II WITH THE REPRESENTATIVE OF BHUTAN AT BIRPARA END.
							0.33	0.00	7.77	0.00	0.00	100.00	
CKT	220KV BINAGURI-SILIGURI-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 BINAGURI-SILIGURI-2	LART	03/09/22	00:41:00	03/09/22	00:41:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at Both ends on B-N Fault* R/I from Binaguri (Site) : M1: F/D: 1.082 KM, F/C: 1.783 KA; M2: F/D: 0.6226 KM, F/C: 1.795 kA;* R/I from Siliguri (Site) : M1: F/D: 3.5 KM, F/C: 5.4 KA; M2: F/D: 3.45 KM, F/C: 5.413 kA;
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV BIRPARA-MALBASE(BHUTAN)-3	SBBU	30/09/22	12:03:00	30/09/22	12:57:00	0.04	0.00	0.90	0.00	0.00		* Line tripped from Malbase end only due to Bar bar protection operated at Malbase end.
CKT	220KV BIRPARA-MALBASE(BHUTAN)-3	LNCC	23/09/22	21:12:00	23/09/22	22:08:00	0.04	0.00	0.00	0.93	0.00		* Tripped on RB-N fault during heavy rain <(>&<)> thunderstorm as reported by site.* R/I at Birpara: M1: F/D: 2.505 KM, F/C: Ir: 9.838 kA; lb: 12.55 kA; M2: F/D: 2.46 KM, F/C: Ir: 10.225 kA, lb: 12.174 kA;
							0.08	0.00	0.90	0.93	0.00	100.00	
CKT	220KV DALKHOLA-GAZOLE(WBSETCL)-1	OSPD	07/09/22	08:07:00	07/09/22	16:49:00	0.36	0.00	0.00	0.00	8.70		* S/D BY WBSETCL FOR BAY MAINTENANCE <(>&<)> ROUTE CLEARANCE.
							0.36	0.00	0.00	0.00	8.70	100.00	
CKT	220KV DALKHOLA-GAZOLE(WBSETCL)-2	OSPD	08/09/22	08:12:00	08/09/22	15:18:00	0.30	0.00	0.00	0.00	7.10		* S/D TAKEN BY WBSETCL FOR BAY AMP WORK AND ROUTE CLEARANCE
							0.30	0.00	0.00	0.00	7.10	100.00	
CKT	220KV DALKHOLA-KISHANGANJ-1	LART	25/09/22	04:00:00	25/09/22	04:00:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both end due to R-N,Z-1 fault.* R/I at Dalkhola:[AFAS]: M1: F/D: 0.953kms, F/C: 14.556 kA; M2: F/D: 0.959kms, F/C: 14.343KA;* R/I at Kishanganj[AFAS]: M1: F/D: 30.8kms, F/C:4.919KA; M2: F/D: 29.6kms, F/C:4.929KA.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV DALKHOLA-KISHANGANJ-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 MALDA-GAZOLE(WBSETCL)-1	OSPD	05/09/22	08:20:00	05/09/22	15:16:00	0.29	0.00	0.00	0.00	6.93		* S/D by WBSETCL for bay maintenance and route clearance.
							0.29	0.00	0.00	0.00	6.93	100.00	
CKT	220KV MALDA-GAZOLE(WBSETCL)-2	OSPD	06/09/22	08:37:00	06/09/22	14:44:00	0.26	0.00	0.00	0.00	6.12		* S/D BY WBSETCL FOR BAY MAINTENANCE <(>&<)> ROUTE CLEARANCE.
							0.26	0.00	0.00	0.00	6.12	100.00	
CKT	220KV RANGPO-NEW MELLI-1	OSPT	12/09/22	12:48:00	12/09/22	13:58:00	0.05	1.17	0.00	0.00	0.00		* S/D taken for for attending low SF6 at New Melli ( 207 bay )
CKT	220KV RANGPO-NEW MELLI-1	OMSU	10/09/22	17:17:00	10/09/22	17:46:00	0.02	0.00	0.48	0.00	0.00		* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <(>&<)> Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.07	1.17	0.48	0.00	0.00	99.84	
CKT	220KV RANGPO-TASHIDING(SEPL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV-SILIGURI-KISHANGANJ-1	LART	25/09/22	01:34:00	25/09/22	01:34:00	0.00	0.00	0.00	0.00	0.00		* A/R successful at both end due to Y-N,Z-1 fault.* R/I at Siliguri:* [AFAS]: M1: F/C:2.293KA, F/D: 67.084kms; M2: F/C:2.285KA, F/D: 66.96kms* [SITE]: M1: F/C:2.066KA, F/D: 67.79kms; M2: F/C:2.034KA, F/D: 66.67kms.* R/I at Kishanganj[AFAS]: M1: F/C:1.977KA, F/D: 79.59kms; M2: F/C:1.977KA, F/D: 79.846kms
CKT	220KV-SILIGURI-KISHANGANJ-1	LART	02/09/22	22:19:00	02/09/22	22:19:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at Both ends on R-N Fault.* R/I from Siliguri (Site) : M1: F/D: 60.06 KM, F/C: 2.476 kA; M2: F/D: 59.71 KM, F/C: 2.654 kA.
CKT	220KV-SILIGURI-KISHANGANJ-1	LART	02/09/22	07:33:00	02/09/22	07:33:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both end on R-N fault.* R/I at Siliguri: M1: R-N, F/D: 46.96 KM, F/C: 2.754 kA; M2: R-N, F/D:46.60 KM, F/C: 2.643 kA.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	220KV-SILIGURI-KISHANGANJ-2	LART	25/09/22	01:34:00	25/09/22	01:34:00	0.00	0.00	0.00	0.00	0.00		* A/R successful at both end due to Y-N,Z-1 fault.* R/I at Siliguri:* [AFAS]: M1: F/C:2.293KA, F/D: 67.715kms; M2: F/C:2.284KA, F/D: 67.087kms* [SITE]: M1: F/C:2.049KA, F/D: 67.97kms; M2: F/C:2.038KA, F/D: 67.41kms* R/I at Kishanganj[AFAS]: M1: F/C:1.971KA, F/D: 79.125kms; M2: F/C:1.97KA, F/D: 79.255kms

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-SILIGURI-KISHANGANJ-2	LART	02/09/22	07:33:00	02/09/22	07:33:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both end on R-N fault.* R/I at Siliguri: M1: R-N, F/D: 47.84 KM, F/C:2.57 kA; M2: R-N, F/D:47.51 KM, F/C: 2.592 kA.
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV ALIPURDUAR-JIGMELING(BHUTAN)-1	LNCC	24/09/22	02:17:00	24/09/22	03:41:00	0.06	0.00	0.00	1.40	0.00		* Tripped on Y-B fault under NER Jurisdiction during heavy rain <(>&< thunderstorm as reported by site.* R/I at Alipurduar: M1: F/D: 67.4 KM, F/C: ly: 5.3 kA, lb: 4.8kA; M2: F/D: 68.73 KM, F/C: ly: 5.3 kA, lb: 4.7kA;
CKT	400KV ALIPURDUAR-JIGMELING(BHUTAN)-1	OMSU	22/09/22	05:25:00	22/09/22	07:21:00	0.08	0.00	1.93	0.00	0.00		* TRIPPED ON DT RECEIVED FROM JINGMELING[BHUTAN] END.
							0.14	0.00	1.93	1.40	0.00	100.00	
CKT	400KV ALIPURDUAR-JIGMELING(BHUTAN)-2	OMSU	22/09/22	04:15:00	22/09/22	06:03:00	0.08	0.00	1.80	0.00	0.00		* Line Tripped from Jingmeling[Bhutan] end due to problem at their end, but remain charged from Alipurduar end.
CKT	400KV ALIPURDUAR-JIGMELING(BHUTAN)-2	LNCC	24/09/22	02:17:00	24/09/22	04:35:00	0.10	0.00	0.00	2.30	0.00		* Tripped on Y-B fault under NER Jurisdiction during heavy rain <(>&< thunderstorm as reported by site.* R/I at Alipurduar: M1: F/D: 56.1 KM, F/C: ly: 5.8 kA, lb: 6.1 kA; M2: F/D: 57.16 KM, F/C: ly: 5.5 kA, lb: 5.6kA;
							0.18	0.00	1.80	2.30	0.00	100.00	
CKT	400KV ALIPURDUAR-PUNATSHANGCHU(BHUTA	OMSU	09/09/22	09:13:00	09/09/22	09:58:00	0.03	0.00	0.75	0.00	0.00		* 400KV Alipurduar Punatsangchu-1 de-Synchronised at 09:13 hrs from Punatsangchu end due to problem in bhutan end.
CKT	400KV ALIPURDUAR-PUNATSHANGCHU(BHUTA	LVRD	14/09/22	13:09:00	24/09/22	05:07:00	9.67	0.00	0.00	0.00	231.97		* Hand tripped as per ERLDC/NLDC instruction for voltage Regulation.
							9.70	0.00	0.75	0.00	231.97	100.00	
CKT	400KV ALIPURDUAR-PUNATSHANGCHU(BHUTA	OMSU	01/09/22	00:00:01	14/09/22	12:30:00	13.52	0.00	324.50	0.00	0.00		* Tripped on B-N fault under BHUTAN Jurisdiction* R/I at Alipurduar: M1: F/D:100%(220 KM), Z2, F/C:2.20 kA, M2: F/D: N/A, Z2, F/C: 2.02 kA; * R/I at Punatsangchu: M1: F/D: 102.2 KM, F/C: 1.72 kA; M2: F/D: 102 KM, F/C: 1.72 kA;
CKT	400KV ALIPURDUAR-PUNATSHANGCHU(BHUTA	OMSU	24/09/22	02:17:00	30/09/22	23:59:59	6.91	0.00	165.72	0.00	0.00		* Tripped on Y-B fault under BHUTAN Jurisdiction* R/I at Alipurduar: M1: F/D: 220 KM(100%), F/C: ly: 2.088 kA, lb: 1.987 kA; M2: F/D:220 KM, F/C: ly: 2.10 kA, lb: 1.90kA;
							20.43	0.00	490.22	0.00	0.00	100.00	
CKT	400KV ANDAL(DVC)-JAMSHEDPUR-1	OSPT	02/09/22	09:56:00	02/09/22	18:14:00	0.35	8.30	0.00	0.00	0.00		* S/D TAKEN BY ER-1 FOR LINE BAY AMP WORK AT JAMSHEDPUR END.
							0.35	8.30	0.00	0.00	0.00	98.85	
CKT	400KV ANDAL(DVC)-JAMSHEDPUR-2	LART	28/09/22	12:58:00	28/09/22	12:58:00	0.00	0.00	0.00	0.00	0.00		* AUTO RECLOSED SUCCESSFULLY FROM BOTH END ON B-N FAULT.* R/I at Jamshedpur: M1: F/D:103.5 km, F/C:2.98 KA; M2: F/D: 106.06 km, F/C: 3.36 KA.
CKT	400KV ANDAL(DVC)-JAMSHEDPUR-2	OMSU	19/09/22	15:13:00	19/09/22	15:13:00	0.00	0.00	0.00	0.00	0.00		* A/R successful at both end due to B-N fault UNDER ANDAL[DVC] JURISDICTION.* R/I at Jamshedpur : M1: F/C: 1.71 kA; F/D: 144.2 KM; M2: F/C: 1.75 kA; F/D: 161 KM.
CKT	400KV ANDAL(DVC)-JAMSHEDPUR-2	OMSU	11/09/22	09:34:00	11/09/22	09:34:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on B-N fault under DVC Jurisdiction.* R/I at Jamdhedpur: M1: F/D: 161 KM(100%), F/C: 3.285 kA; M2: F/D: 161 KM(100%), F/C: 3.287 kA;
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kv ANGUL-BOLANGIR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BOLANGIR -JEYPORE-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 BINAGURI-ALIPURDUAR-1(LILO)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BINAGURI-ALIPURDUAR-2(LILO)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BINAGURI-KISHANGANJ-1(LILO)	OSPT	14/09/22	10:05:00	14/09/22	13:32:00	0.14	3.45	0.00	0.00	0.00		* S/D taken for replacemnet of 01 sub broken conductor of R-Phase Line Dropper at Binaguri end.
							0.14	3.45	0.00	0.00	0.00	99.52	
CKT	400KV BINAGURI-KISHANGANJ-2(LILO)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BINAGURI-MALBASE(BHUTAN)-3	OSPD	01/09/22	00:00:01	02/09/22	19:31:00	1.81	0.00	0.00	0.00	43.52		* S/D BY BHUTAN FOR REPLACEMENT OF FLASHOVER/BROKEN INSULATORS WITH LONG ROD POLYMER AT TPS #86 IN R(>&<)Y-PHASE, TPS # 78 IN Y-PHASE.
							1.81	0.00	0.00	0.00	43.52	100.00	
CKT	400KV BINAGURI-NEW PURNEA-1	OMSU	26/09/22	10:09:00	26/09/22	22:29:00	0.51	0.00	12.33	0.00	0.00		* S/D BY ER-1 FOR SIEMENS RELAY MLFB UPDATION AT NEW PURNEA.
CKT	400KV BINAGURI-NEW PURNEA-1	LART	17/09/22	06:12:00	17/09/22	06:12:00	0.00	0.00	0.00	0.00	0.00		* A/R successful at both end on Y-N fault* R/I at Binaguri : M1: F/C: 1.952 kA; F/D:151.6 KM; M2: F/C: 2.372 kA; F/D: 139.75KM
							0.51	0.00	12.33	0.00	0.00	100.00	
CKT	400KV BINAGURI-NEW PURNEA-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 BONGAIGAION-ALIPURDUAR-1(LILO)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BONGAIGAION-ALIPURDUAR-2(LILO)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BONGAIGAON -BINAGURI-1	OMSU	25/09/22	15:17:00	25/09/22	17:36:00	0.10	0.00	2.32	0.00	0.00		* S/D taken to clear critical trees between ROW location (498-499).

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-BONGAIGAON -BINAGURI-1	LNCC	04/09/22	19:29:00	04/09/22	20:35:00	0.05	0.00	0.00	1.10	0.00	100.00	* Line Tripped on RB-N fault during Heavy rain <(>&<-> Lightning* R/I at Binaguri: M1: F/D: 180.48 KM, F/C: Ir: 2.51 kA, Ib: 2.63 kA; M2: NA;* R/I at Bongaigaon: M1: F/D: 63.68 KM, F/C: Ir: 4.80 kA, Ib: 5.06 kA; M2: NA;* Fault under NER Jurisdiction.
CKT	400KV-BONGAIGAON -BINAGURI-2	LART	24/09/22	12:09:00	24/09/22	12:09:00	0.00	0.00	0.00	0.00	0.00	100.00	* A/R Successful at both ends on Y-N fault.* R/I at Binaguri: M1: F/D: 33.94 KM, F/C: 4.406 KA; M2: F/D: NA, F/C: NA
CKT	400KV-BONGAIGAON -BINAGURI-2	OMSU	25/09/22	11:34:00	25/09/22	15:01:00	0.14	0.00	3.45	0.00	0.00	100.00	* S/D taken to clear critical trees between ROW location (498-499).
CKT	400KV-BONGAIGAON -BINAGURI-2	LNCC	04/09/22	19:29:00	04/09/22	20:51:00	0.06	0.00	0.00	1.37	0.00	100.00	* Line Tripped on RB-N fault during Heavy rain <(>&<-> Lightning* R/I at Binaguri: M1: F/D: 183.8 KM, F/C: Ir: 2.29 kA, Ib: 2.43 kA; M2: F/D: 183.69 KM, F/C: Ir: 2.31 kA, Ib: 2.61 kA;* R/I at Bongaigaon: M1: F/D: 63.21 KM, F/C: Ir:4.83 kA, Ib: 5.04 kA; M2: F/D: 42.2 KM, F/C: Ir:4.53 kA, Ib: 4.73 kA* Fault under NER Jurisdiction.
CKT	400KV-BONGAIGAON -BINAGURI-2	OSPT	06/09/22	14:09:00	06/09/22	18:53:00	0.20	4.73	0.00	0.00	0.00	99.34	* S/D for attending Oil Leakage in R-Phase CVT at Binaguri end.
CKT	400KV BERHAMPORE-BHERAMARA(BANGLADE	LART	03/09/22	19:29:00	03/09/22	19:29:00	0.00	0.00	0.00	0.00	0.00	100.00	* A/R SUCCESSFUL AT BOTH THE ENDS ON R-N FAULT.* AFAS: R-N fault, M1: F/C: 5.88kA, F/D: 50.646KM, M2: F/C: 5.57kA, F/D: 51.081KM
CKT	400KV BERHAMPORE-BHERAMARA(BANGLADE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BERHAMPORE-BHERAMARA(BANGLADE			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BERHAMPORE-BHERAMARA(BANGLADE	LNCC	27/09/22	10:09:00	27/09/22	18:39:00	0.35	0.00	0.00	8.50	0.00	100.00	* S/D taken for rectification/replacement of broken polymer insulator due to lightning.
CKT	400KV BERHAMPORE-FARAKKA(NTPC)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BERHAMPORE-FARAKKA(NTPC)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV BEHRAMPORE-SAGARDIGHI(WBPDCL)-1	OMSU	09/09/22	08:05:00	09/09/22	09:11:00	0.05	0.00	1.10	0.00	0.00	100.00	* Line tripped at Behrampore end on 08:05 hrs at 09.09.2022 as DT received from Sagardighi end.
CKT	400KV BEHRAMPORE-SAGARDIGHI(WBPDCL)-1	OSPT	16/09/22	08:19:00	16/09/22	18:29:00	0.42	10.17	0.00	0.00	0.00	100.00	* S/D FOR LINE BAY AMP, PLCC CHECKING <(>&<-> TL DEFECT RECTIFICATION.
CKT	400KV BEHRAMPORE-SAGARDIGHI(WBPDCL)-1	OSPD	07/09/22	09:15:00	07/09/22	12:12:00	0.12	0.00	0.00	0.00	2.95	98.59	* S/D BY WBSETCL FOR REPLACEMENT OF COMMERCIAL ENERGY METER SUPPLIED BY M/S PGCIL <(>&<-> BAY MAINTENANCE AT SAGARDIGHI
CKT	400KV BEHRAMPORE-SAGARDIGHI(WBPDCL)-2	OSPD	08/09/22	05:09:00	08/09/22	17:03:00	0.50	0.00	0.00	0.00	11.90	100.00	* S/D BY WBSETCL FOR REPLACEMENT OF COMMERCIAL ENERGY METER SUPPLIED BY M/S PGCIL <(>&<-> BAY MAINTENANCE AT SAGARDIGHI
CKT	400kv BARIPADA-DUBURI(OPTCL)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kv BARIPADA-KHARAGPUR(WBSETCL)-1	OMSU	21/09/22	11:57:00	21/09/22	20:25:00	0.35	0.00	8.47	0.00	0.00	100.00	* 400 kv Baripada-Kharagpur line tripped at 11:57 Hrs on 21.09.2022.* Fault details: M1: Y-G fault, Z1, If=3.707 kA, Location=70.98 km from Baripada end.* 21.09.2022 23:11:00 INDIA Abhishek Anand (60003546)* The line belongs to M/s WBSETCL <(>&<-> fault is in their jurisdiction. The above said line restored at 20:25 hrs on 21.09.2022 vide ERLDC code no-1034.
CKT	400kv BARIPADA-KHARAGPUR(WBSETCL)-1	OSPD	22/09/22	13:56:48	22/09/22	17:31:00	0.15	0.00	0.00	0.00	3.57	100.00	* EMERGENCY SD TAKEN BY WBSETCL FOR ATTENDING LINE MNTC WORKS
CKT	400kv BARIPADA-KHARAGPUR(WBSETCL)-1	LART	22/09/22	08:31:00	22/09/22	08:31:00	0.00	0.00	0.00	0.00	0.00	100.00	* 400kv BARIPADA-KHARAGPUR(WBSETCL)auto reclosed successfully at 08:31 Hrs. Relay details: M1: Yph-G, Z#1, Iy: 3.798 kA, FL:69.28 km.* M2: Yph-G, Z#1, Iy:3.612 kA, FL:69.84 km. (Note:Line belongs to M/s WBSETCL <(>&<-> fault is under their jurisdiction)"
CKT	400kv BARIPADA-KHARAGPUR(WBSETCL)-1	OSPD	14/09/22	07:21:00	14/09/22	17:23:00	0.42	0.00	0.00	0.00	10.03	100.00	* SD Availed by WBSETCL
CKT	400KV-BARIPADA -KEONJHAR-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BARIPADA PANDIABILI-I	LART	19/09/22	06:18:00	19/09/22	06:18:00	0.00	0.00	0.00	0.00	0.00	100.00	* A/R successfully operated from both end. R/I at Baripada: Main-1 fault details: B ph to ground, Zone-1, Ib- 2.75 kA, F.L- 119.2 km. Main-2 fault details: B ph to ground, Zone-1, Ib- 2.796 kA, F.L- 117.39 km. R/I at Pandiablii : M1; Z1: B-G Fault, 2.76 KA, 120.3 KM. M2: Z1: B-G Fault, 2.8 KA, 118.06 KM.
CKT	400KV-BARIPADA PANDIABILI-I	LART	13/09/22	08:29:00	13/09/22	08:29:00	0.00	0.00	0.00	0.00	0.00	100.00	* 400KV-BARIPADA PANDIABILI-I A/R successful AT 08:29 hRS ON 13.09.2022.** Relay details BPD end: M1, R-Ph, 1.80KA, 228.5KM. M2, R-Ph, 1.282KA, 259.46KM** Relay details PND end: M1, R-Ph, 4.44KA, 53.8KM. M2, R-Ph, 4.25KA, 42.2KM
CKT	400kv DUBURI(OPTCL)-PANDIABILI-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-BONGAIGAON -BINAGURI-1	LNCC	04/09/22	19:29:00	04/09/22	20:35:00	0.05	0.00	0.00	1.10	0.00	100.00	* Line Tripped on RB-N fault during Heavy rain <(>&<-> Lightning* R/I at Binaguri: M1: F/D: 180.48 KM, F/C: Ir: 2.51 kA, Ib: 2.63 kA; M2: NA;* R/I at Bongaigaon: M1: F/D: 63.68 KM, F/C: Ir: 4.80 kA, Ib: 5.06 kA; M2: NA;* Fault under NER Jurisdiction.



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 MAITHON-JAMSHEDPUR	LNCC	29/09/22	16:26:00	29/09/22	16:51:00	0.02	0.00	0.00	0.42	0.00		* Tripped on B-N fault* R/I at Maithon: M1: F/D: 19.88 KM, F/C: 10.1 kA; M2: F/D: 13.79 KM, F/C: 9.88kA;* R/I at Jamshedpur(AFAS):M1: F/D: 121.65 KM, F/C: 3.32 kA; M2: F/D: 120.51 KM, F/C: 3.34 kA;* As A/R was kept in N/A mode due to online PID testing, so A/R attempt not taken and line tripped at both ends.* 29.09.2022 18:32:48 INDIA Mithun Gayen (60003251)* Line tripped during heavy rain <-> thunderstorm as reported by site.
CKT	400KV MAITHON-JAMSHEDPUR	LNCC	27/09/22	08:04:00	27/09/22	19:50:00	0.49	0.00	0.00	11.77	0.00		* S/d taken for replacement of flashover Insulator due to lightning at Loc.No. 97 and 111 by Maithon TLM.
CKT	400KV MAITHON-JAMSHEDPUR	SCSD	06/09/22	09:44:00	06/09/22	19:50:00	0.42	0.00	0.00	0.00	10.10		* S/D BY ER-1 FOR REPLACEMENT <-> TESTING OF TEED-2 RELAY UNDER ADD-CAP.
CKT	400KV MAITHON-JAMSHEDPUR	SCSD	05/09/22	09:43:00	05/09/22	20:14:00	0.44	0.00	0.00	0.00	10.52		* S/D taken by ER-1 for replacement and testing of TEED-2 relay at Jamshedpur under ADDCAP
CKT	400KV MAITHON-MAITHON RB(MPL)-1			00:00:00		00:00:00	1.37	0.00	0.00	12.19	20.62	100.00	
CKT	400KV MAITHON-MAITHON RB(MPL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MAITHON-MAITHON RB(MPL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MAITHON-MAITHON RB(MPL)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MAITHON-MEJIA(DVC)-1	LCS D	23/09/22	10:02:00	23/09/22	19:23:00	0.39	0.00	0.00	0.00	9.35		* TO FACILITATE THE REPLACEMENT OF MEJIA#1 MAIN BAY AT MAITHON UNDER ADDCAP
CKT	400KV MAITHON-MEJIA(DVC)-1	LART	28/09/22	15:36:00	28/09/22	15:36:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on R-N fault* R/I at Maithon: M1: 0.7 KM, F/C: 15kA; M2: 0.59 KM, F/C: 15.67 kA;* R/I at Mejia: M1: F/D: 56.69 KM, F/C: 1.786 kA; M2: F/D: 59.00 KM, F/C: 1.809 kA;
CKT	400KV MAITHON-MEJIA(DVC)-1	LNCC	15/09/22	22:21:00	16/09/22	16:45:00	0.77	0.00	0.00	18.40	0.00		* Tripped on R-N fault during heavy Rain <-> Thunderstorm as reported at Site.* R/I at Maithon: M1: F/C: 3.88 kA; F/D: 41.5 KM; M2: F/C: 4.3 kA; F/D: 40.17 KM;* R/I at Mejia: M1: F/D: 3.82 KM, F/C: 14.50 kA; M2: 3.65 KM, F/C: 15.63 kA;* On Patrolling, Insulator Decapping found at Loc 168.
CKT	400KV MAITHON-MEJIA(DVC)-1	OMSU	15/09/22	12:24:00	15/09/22	17:15:00	0.20	0.00	4.85	0.00	0.00		* Emergency S/d taken by Mejia for Checking and replacement of damaged conductor.
CKT	400KV MAITHON-MEJIA(DVC)-1	LCS D	14/09/22	10:30:00	14/09/22	18:38:00	0.34	0.00	0.00	0.00	8.13		* S/D TO FACILITATE THE REPLACEMENT OF MEJIA#1 MAIN BAY AT MAITHON UNDER ADDCAP.
CKT	400KV MAITHON-MEJIA(DVC)-2			00:00:00		00:00:00	1.70	0.00	4.85	18.40	17.48	100.00	
CKT	400KV MAITHON-MEJIA(DVC)-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV MAITHON-MEJIA(DVC)-3	LART	27/09/22	12:16:00	27/09/22	12:16:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both end on R-N fault.* R/I at Maithon: M1: F/D: 42.1 KMS, F/C: 4.64KA; M2: F/D: 31.6 KMS, F/C: 2.8 KA;* R/I at Mejia(DVC): M1: NA ; M2: F/D: 29.98 KMS, F/C: 5.818 KA.
CKT	400KV MALDA-FARAKKA(NTPC)-1	OMSU	04/09/22	05:57:00	04/09/22	11:02:00	0.21	0.00	5.08	0.00	0.00		* Line tripped due to 400 KV Main Bus bar protection (ZB) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found.
CKT	400KV MALDA-FARAKKA(NTPC)-2	OSPT	01/09/22	09:26:00	01/09/22	18:32:00	0.38	9.10	0.00	0.00	0.00		* S/D taken for rectification of faulty Main-II distance protection relay (REL670) at Malda end.
CKT	400KV MALDA-FARAKKA(NTPC)-2	OMSU	04/09/22	05:57:00	04/09/22	12:52:00	0.29	0.00	6.92	0.00	0.00		* Line tripped due to 400 KV Main Bus bar protection (ZA) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found. A/R Successful at Farakka end.
CKT	400KV MALDA-NEW PURNEA-1	OMSU	20/09/22	11:19:00	20/09/22	22:04:00	0.45	0.00	10.75	0.00	0.00		* /D BY ER-I FOR SIEMENS RELAY MLFB UPDATION AT NEW PURNEA END.
CKT	400KV MALDA-NEW PURNEA-1	LNCC	25/09/22	03:40:00	25/09/22	04:03:00	0.02	0.00	0.00	0.38	0.00		* During heavy rain <-> lightning, A/R Successful at New Purnea and tripped from Malda end [A/R attempted, tripped on persisting fault within reclaim time]. R/I at Malda:* [AFAS]: M1: F/D: 113.083kms, F/C: 3.925 KA; M2: F/D: 114.006kms, F/C: 3.89KA;* [Site]: M1: F/D: 113.3kms, F/C: 2.475 KA; M2: F/D: 114.59kms, F/C: 2.657KA;* R/I at New Purnea[AFAS]: M1: F/D: 31.175kms, F/C:9.303KA; M2: NA.
CKT	400KV MALDA-NEW PURNEA-1	OMSU	29/09/22	07:34:00	29/09/22	15:06:00	0.31	0.00	7.53	0.00	0.00		* S/D taken for replacement of the faulty relay and restore the auto re-close circuit.
CKT	400KV MALDA-NEW PURNEA-1	OMSU	04/09/22	05:57:00	04/09/22	10:07:00	0.17	0.00	4.17	0.00	0.00		* Line tripped due to 400 KV Main Bus bar protection (ZA) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found.
CKT	400KV MALDA-NEW PURNEA-2	OMSU	21/09/22	09:59:00	21/09/22	19:18:00	0.39	0.00	9.32	0.00	0.00		* S/D BY ER-I FOR SIEMENS RELAY MLFB UPDATION AT NEW PURNIA END.
CKT	400KV MALDA-NEW PURNEA-2	OMSU	04/09/22	05:57:00	04/09/22	10:45:00	0.20	0.00	4.80	0.00	0.00		* Line tripped due to 400 KV Main Bus bar protection (ZB) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found.
CKT	400KV MEJIA(DVC)-JAMSHEDPUR			00:00:00		00:00:00	0.59	0.00	14.12	0.00	0.00	100.00	
CKT	400KV MERAMUNDALI(OPTCL)-ANGUL-1	LPRD	24/09/22	16:01:00	24/09/22	18:41:00	0.11	0.00	0.00	0.00	2.67		* H/T as per instruction of ERLDC for power regulation.
CKT	400KV MERAMUNDALI(OPTCL)-ANGUL-1	LPRD	24/09/22	10:00:00	24/09/22	15:52:00	0.24	0.00	0.00	0.00	5.87		* H/T as per instruction of ERLDC for power regulation.



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 MERAMUNDALI(OPTCL)-ANGUL-1	LPRD	21/09/22	15:38:00	23/09/22	19:37:00	2.17	0.00	0.00	0.00	51.98		* The 400 kV Angul-Meramundali #1 has been H/T for Power regulation as per instruction of ERLDC at 15:38 hrs on 21.09.2022 vide ERLDC code No.-1013.* The above said line anti-theft charged from Angul End at 20:35 hrs on 21.09.2022 vide ERLDC code No.-1031.
CKT	400kV MERAMUNDALI(OPTCL)-ANGUL-1	LPRD	01/09/22	00:00:01	21/09/22	11:00:00	20.46	0.00	0.00	0.00	491.00		* H/T FOR POWER REGULATION AT 01:41 HRS ON 21/06/2022
CKT	400kV MERAMUNDALI(OPTCL)-ANGUL-1	LPRD	24/09/22	21:34:00	30/09/22	23:59:59	6.10	0.00	0.00	0.00	146.43		* H/T as per instruction of ERLDC for power regulation
							29.08	0.00	0.00	0.00	697.95	100.00	
CKT	400kV MERAMUNDALI(OPTCL)-ANGUL-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
CKT	400kV MERAMUNDALI(OPTCL)-BOLANGIR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MENDHASAL-PANDIABILI-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-MENDHASAL-PANDIABILI-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV NEW PURNEA-GOKARNA(WBSETCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-RANGPO-BINAGURI-1	LNCC	18/09/22	11:05:00	18/09/22	13:42:00	0.11	0.00	0.00	2.62	0.00		* Tripped on R-N fault during heavy rain <-&<-> thunderstorm as reported by site.* R/I at Binaguri: M1: F/D: 77.7 KM F/C: N/A; M2: F/D: 103.33 KM, F/C: 1.4 kA;* R/I at Rangpo: M1: F/D: N/A, F/C: 5.7 kA; M2: F/D: N/A, F/C: N/A;
							0.11	0.00	0.00	2.62	0.00	100.00	
CKT	400KV-RANGPO-BINAGURI-2	LART	24/09/22	00:09:00	24/09/22	00:09:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on B-N fault.* R/I at Binaguri: M1: F/D: 24.42 KM, F/C: 10.11 kA; M2: F/D: 20.53 KM, F/C: 10.452 kA;* R/I at Rangpo: M1: F/D: 78.85 KM, F/C:3.3kA; M2: F/D: 82.1 KM, F/C: 3.267 kA;
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV RANGPO-KISHANGANJ-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
CKT	400KV RANGPO-KISHANGANJ-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV RANGPO-TEESTA 5(NHPC)-1	OSPD	05/09/22	10:41:00	05/09/22	13:26:00	0.12	0.00	0.00	0.00	2.75		* S/D taken by Teesta V for sil flushing of reseveoir.
CKT	400KV RANGPO-TEESTA 5(NHPC)-2	OSPD	05/09/22	10:42:00	05/09/22	13:28:00	0.12	0.00	0.00	0.00	2.75	100.00	* S/D taken by Teesta V for sil flushing of reseveoir.
							0.12	0.00	0.00	0.00	2.77	100.00	
CKT	400KV RANGPO-TEESTA3(Teesta Urja)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-RENGALI-INDRAVATI-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-RENGALI-KEONJHAR-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 RAJARHAT-FARAKKA(NTPC)-1	LART	07/09/22	12:53:00	07/09/22	12:53:00	0.00	0.00	0.00	0.00	0.00		* A/R successfully operated from both ends at 12:53 hrs on 07.09.2022 due to Y-N fault.* R/I at Rajarhat : M1: F/C: 2.67 KA, F/D: 130.1 KM; M2: F/C: 2.776 KA, F/D: 120.3 KM
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV RAJARHAT-GOKARNA(WBSETCL)-1	LART	09/09/22	16:00:00	09/09/22	16:00:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful at both ends on Y-N fault* R/I at Rajarhat: M1: F/D:13 KM, F/C:11.1 kA; M2:F/D:13.24 KM, F/C: 11.97 kA;* R/I at Gokarna: M1: F/D: 228 KM, F/C: 1.99 kA; M2: F/D: 227 KM, F/C: 2.13 kA;
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV RAJARHAT-SUBHASGRAM-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 TALA(BHUTAN)-BINAGURI-1	OMSU	26/09/22	11:11:00	26/09/22	17:20:00	0.26	0.00	6.15	0.00	0.00		* S/D FOR CHANGING OF SEM METER OF 400 KV BINAGURI-TALACKT-1 AT BINAGURI END
CKT	400KV TALA(BHUTAN)-BINAGURI-1	OMSU	28/09/22	17:18:00	28/09/22	17:18:00	0.00	0.00	0.00	0.00	0.00		* A/R Successful on Y-N fault under BHUTAN Jurisdiction* R/I at Binaguri: M1: 140.30 KM, F/C: 2.673 kA; M2: F/D: 144.1 KM, F/C: 2.381 kA;* R/I at Tala: M1: F/D: 7KM, F/C: 11.64 kA; M2: F/D: 5.9 KM, F/C: 11.74 kA;
							0.26	0.00	6.15	0.00	0.00	100.00	
CKT	400KV TALA(BHUTAN)-BINAGURI-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 TALA(BHUTAN)-BINAGURI-4			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400KV-TALCHAR-ANGUL-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 TALCHER(NTPC)-MERAMUNDALI(OPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV TALCHER(NTPC)-MERAMUNDALI(OPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
CKT	400kV TALCHER(NTPC)-RENGALI-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 TALCHER(NTPC)-RENGALI-2	OSPD	01/09/22	00:00:01	13/09/22	21:44:00	12.91	0.00	0.00	0.00	309.73		* SD AVAILED BY NTPC ON CONTINUOUS BASIS UPTO 17:00 HRS. ON 08/09/2022 FOR REPLACEMENT OF MAIN BAY CB AT NTPC END* 13.09.2022 23:05:11 INDIA Kamal Baidya (60041422)* THE LINE TAKEN INTO SERVICE AT 21:44 HRS. ON 13/09/2022. VIDE ERLDC CODE No:631.

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 TALCHER(NTPC)-ROURKELA-1			00:00:00		00:00:00	12.91	0.00	0.00	0.00	309.73	100.00	
CKT	400kV TALCHER(NTPC)-ROURKELA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765 KV ANGUL -JHARSUGURA-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765 KV ANGUL -JHARSUGURA-2			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	765 KV ANGUL -JHARSUGURA-3	LVRD	10/09/22	08:39:00	30/09/22	23:59:59	20.64	0.00	0.00	0.00	495.35		* The 765 KV Angul-Jharsuguda #3 H/T due to Voltage Regulation at 08:39 Hrs. on 10/09/2022, vide ERLDC Code No:440, NLDC Code No:782
CKT	765 KV ANGUL -JHARSUGURA-3	LVRD	01/09/22	00:00:01	05/09/22	09:53:00	4.41	0.00	0.00	0.00	105.88		* 765 KV Angul-Jharsuguda #3 HT for voltage regulation at 20:56 Hrs on 29-08-2022 as per instruction of ERLDC.
CKT	765 KV ANGUL -JHARSUGURA-4	OSPT	05/09/22	10:13:00	05/09/22	16:32:00	25.05	0.00	6.32	0.00	601.23	100.00	* SD taken for AMP at 10:13hrs on 05/09/22* 05.09.2022 17:17:58 INDIA Pothuraju Rajasekhar (60065278)* Line taken IN service at 16:32 Hrs.
CKT	765kV DARLIPALLI(NTPC)-JHARSUGURA-1			00:00:00		00:00:00	0.26	6.32	0.00	0.00	0.00	99.12	
CKT	765kV DARLIPALLI(NTPC)-JHARSUGURA-2	LART	03/09/22	11:31:00	03/09/22	11:31:00	0.00	0.00	0.00	0.00	0.00	100.00	* 765kV DARLIPALLI(NTPC)-JHARSUGURA-2 AR SUCCESSFUL AT 11:31HRS ON 03.09.2022. M1- Z1, B-N, 8km, 18.46KA, B-Top. Heavy thundering and Lightning observed.
CKT	66KV MELLI(SIKKIM)-RABANGLA(SIKKIM)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
CKT	66KV RANGIT(NHPC)-RABANGLA(SIKKIM)-1			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SUNDERGARH-4 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SUNDERGARH-3 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SRIKAKULAM-2 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SRIKAKULAM-1 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SUNDERGARH-2 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF SUNDERGARH-1 AT ANGUL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF ANGUL AT BOLANGIR	SVRD	16/09/22	16:46:00	30/09/22	23:59:59	14.30	0.00	0.00	0.00	343.23		* 50MVAR,SWLR OF ANGUL AT BOLANGIR H/T for voltage regulation at 16:46 Hrs.
LNR	50MVAR,SWLR OF JEYPORE AT BOLANGIR			00:00:00		00:00:00	14.30	0.00	0.00	0.00	343.23	100.00	
LNR	80MVAR,SWLR OF ALIPURDUAR-1 AT BINAGUR			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	80MVAR,SWLR OF ALIPURDUAR-2 AT BINAGUR	SVRD	04/09/22	16:10:00	04/09/22	16:23:00	0.01	0.00	0.00	0.00	0.22		* Tripped due to system consraint attributed as per scheme.
LNR	50MVAR,SWLR OF KEONJHAR AT BARIPADA			00:00:00		00:00:00	0.01	0.00	0.00	0.00	0.22	100.00	
LNR	63MVAR,SWLR OF DUBURI AT BARIPADA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	80MVAR,SWLR OF GOKARNA-1 AT FARAKKA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF MEJIA-1 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF GAYA-1 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF GAYA-2 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	80MVAR SWLR OF BOLANGIR AT MERAMUNDA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	63MVAR,SWLR OF BARIPADA AT PANDIABILI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	63MVAR,SWLR OF DUBRI AT PANDIABILI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF CHAIBASA-1 AT ROURKELA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	50MVAR,SWLR OF JEERAT AT SUBHASHGRAM	SVRD	01/09/22	00:00:01	30/09/22	23:59:59	30.00	0.00	0.00	0.00	720.00		* H/T FOR VOLTAGE REGULATION AS PER ERLDC INSTRUCTIONS.
LNR	240MVAR,SWLR OF RAIPUR-2 AT SUNDERGARH			00:00:00		00:00:00	30.00	0.00	0.00	0.00	720.00	100.00	
LNR	240MVAR,SWLR OF RAIPUR-1 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
LNR	240MVAR,SWLR OF RAIPUR-1 AT SUNDERGARH			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	



Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT MAITHON			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	160MVA,220/132kV ICT-1 AT MALDA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	160MVA,220/132kV ICT-2 AT MALDA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-3 AT MALDA	OMSU	04/09/22	05:57:00	04/09/22	10:45:00	0.20	0.00	4.80	0.00	0.00	100.00	* ICT tripped due to 400 KV Main Bus bar protection (ZB) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found.
							0.20	0.00	4.80	0.00	0.00	100.00	
XMER	160MVA,220/132kV ICT-4 AT MALDA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-5 AT MALDA	OMSU	04/09/22	05:57:00	04/09/22	10:20:00	0.18	0.00	4.38	0.00	0.00	100.00	* ICT tripped due to 400 KV Main Bus bar protection (ZA) operated during fault in Farakka-2 line. Bus bar differential Relay(ABB-REB670) configuration issue found.
							0.18	0.00	4.38	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-1 AT PANDIABILI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT PANDIABILI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	100MVA,220/132kV ICT-1 AT RANGPO	OMSU	10/09/22	17:17:00	10/09/22	17:47:00	0.02	0.00	0.50	0.00	0.00	100.00	* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <->&-<) Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.02	0.00	0.50	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT RANGPO			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	100MVA,220/132kV ICT-2 AT RANGPO			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT RANGPO	OMSU	10/09/22	17:17:00	10/09/22	17:43:00	0.02	0.00	0.43	0.00	0.00	100.00	* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <->&-<) Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.02	0.00	0.43	0.00	0.00	100.00	
XMER	100MVA,220/132kV ICT-3 AT RANGPO	OMSU	10/09/22	17:17:00	10/09/22	17:49:00	0.02	0.00	0.53	0.00	0.00	100.00	* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <->&-<) Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.02	0.00	0.53	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-3 AT RANGPO	OMSU	10/09/22	17:17:00	10/09/22	17:51:00	0.02	0.00	0.57	0.00	0.00	100.00	* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <->&-<) Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.02	0.00	0.57	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-4 AT RANGPO			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-5 AT RANGPO	OMSU	10/09/22	17:17:00	10/09/22	17:49:00	0.02	0.00	0.53	0.00	0.00	100.00	* Tripped due to Gas zone tripping command initiated from 220KV Rangpo-Rongnichu line-2 (Both Line <->&-<) Bay belongs to M/S MBPCL) [= Not Owned by POWERGRID].
							0.02	0.00	0.53	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT RENGALI	OSPD	14/09/22	09:07:00	14/09/22	21:35:00	0.52	0.00	0.00	0.00	12.47	100.00	* 315MVA,400/220kV ICT-1 AT RENGALI. Hand tripped at 09:07 Hrs
							0.52	0.00	0.00	0.00	12.47	100.00	
XMER	315MVA,400/220kV ICT-2 AT RENGALI	OSPD	15/09/22	09:21:00	15/09/22	21:18:00	0.50	0.00	0.00	0.00	11.95	100.00	* 315MVA,400/220kV ICT-2 AT RENGALI has taken SD for LBB retrofitting works at09:21 Hrs.* 29.09.2022 11:50:40 INDIA Anil Kumar Nayak (60065074)** Taken into service at 21:18 Hrs. on 15.09.2022.
							0.50	0.00	0.00	0.00	11.95	100.00	
XMER	500MVA,400/220kV ICT-1 AT RAJARHAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-2 AT RAJARHAT			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT ROURKELA			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	ROURKELA 400KV 315MVA ICT-2_BHEL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	ROURKELA 400KV 315MVA ICT-4_CGL			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-1 AT SUBHASHGRAM	OMSU	24/09/22	11:40:00	24/09/22	16:40:00	0.21	0.00	5.00	0.00	0.00	100.00	* S/D FOR FINAL TESTING AND IMPLEMENTATION OF SPS AT SUBHASHGRAM END.
							0.21	0.00	5.00	0.00	0.00	100.00	
XMER	315MVA,400/220kV ICT-2 AT SUBHASHGRAM	OSPT	04/09/22	11:36:00	04/09/22	15:42:00	0.17	4.10	0.00	0.00	0.00	99.43	* S/D For rectification of oil leakage.
							0.17	4.10	0.00	0.00	0.00	99.43	
XMER	500MVA,400/220kV ICT-5 AT SUBHASHGRAM	OMSU	15/09/22	12:00:00	15/09/22	12:33:00	0.02	0.00	0.55	0.00	0.00	100.00	* Body protection signals (WTI, OTI, PRD etc.) Operated due to faulty control cable between X'mer MB and Relay panel.
							0.02	0.00	0.55	0.00	0.00	100.00	
XMER	500MVA,400/220kV ICT-5 AT SUBHASHGRAM	OMSU	16/09/22	06:04:00	16/09/22	09:39:00	0.15	0.00	3.58	0.00	0.00	100.00	* S/D for Checking/Replacement of Relay due to Suspected Earth fault <->&-<) tripping of ICT-V
							0.15	0.00	3.58	0.00	0.00	100.00	
XMER	160MVA,220/132kV ICT-1 AT SILIGURI			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00	100.00	
							0.00	0.00	0.00	0.00	0.00	100.00	

Object Type	Element Name	Type of failure	Outage Date	Outage Time	Restoration Date	Restoration Time	Total Outage in Days	OUTAGE ATTRIBUTABLE TO ISTS Licensee	OUTAGE ATTRIBUTABLE To Others	OUTAGE ATTRIBUTABLE To System Constraint	OUTAGE ATTRIBUTABLE To Deemed Available	% Availability as certified by certifyin	Detailed Reasons for Outage
XMER	160MVA,220/132kV ICT-2 AT SILIGURI			00:00:00		00:00:00	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 SUNDERGARH			00:00:00		00:00:00	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 SUNDERGARH			00:00:00		00:00:00	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 SUNDERGARH			00:00:00		00:00:00	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 SUNDERGARH			00:00:00		00:00:00	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 INDRAVATI (OPTCL)			00:00:00		00:00:00	0.00	0.00	0.00	0.00	0.00		
							0.00	0.00	0.00	0.00	0.00	100.00	
							346.94	110.10	684.70	51.37	7,478.36		