

Element wise Outage Details of Adani Transmission (India) Limited for FY 2021 - 22

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
500kV Mundra - Mohindergarh HVDC Pole-1	06-04-2021 09:33	06-04-2021 19:25	9:52	0:00	0:00	0:00	Emergency shutdown of Mohindergarh-Mundra Pole-1 taken to attend water leakage in VCS system at Mohindergarh SS.	98.6
400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-1	20-05-2021 04:17	20-05-2021 06:21	0:00	0:00	2:04	0:00	As per NRLDC requirement, 400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-1 manually taken out of service due to Higher Grid Voltage.	100
500kV Mundra - Mohindergarh HVDC Pole-1	25-05-2021 09:13	25-05-2021 17:10	0:00	7:57	0:00	0:00	500kV Mundra - Mohindergarh HVDC Pole-1 outage taken by PGCIL for Powerline Crossing work over 33 kV Mahendragarh-Kaithal Electrode Lines for newly under construction line 400kV D/C Mohindergarh - Bhiwani	100
500kV Mundra - Mohindergarh HVDC Pole-2	25-05-2021 09:04	25-05-2021 17:23	0:00	8:19	0:00	0:00	500kV Mundra - Mohindergarh HVDC Pole-2 outage taken by PGCIL for Powerline Crossing work over 33 kV Mahendragarh-Kaithal Electrode Lines for newly under construction line 400kV D/C Mohindergarh - Bhiwani	100
400kV MUNDRA-SAMI CKT-1	04-06-2021 09:38	04-06-2021 18:43	9:05	0:00	0:00	0:00	Outage of 400kV MUNDRA-SAMI CKT-1 taken for insulator replacement work. Discharging code: WR/341 Charging code: WR/404	98.74
400kV BUS REACTOR AT SAMI SS	09-06-2021 09:42	09-06-2021 12:27	2:45	0:00	0:00	0:00	Outage of 400kV BUS REACTOR taken to raise the height of Marhalling Box (MB) Discharging code: WR/793 Charging code: WR/817	99.62
400/220kV ICT-2 AT MUNDRA	20-06-2021 02:53	20-06-2021 03:18	0:25	0:00	0:00	0:00	Emergency outage of 315MVA, 400/220kV ICT-2 taken due to heavy chattering observed in 89 A isolator. Discharging Code- WR/1877 Charging Code- WR/1882	99.94
400kV MUNDRA-SAMI CKT-2	01-07-2021 09:59	01-07-2021 20:10	10:11	0:00	0:00	0:00	400kV MUNDRA-SAMI CKT-2 manually discharged for SRI insulator replacement work. Discharging code : WR/27 Charging code : WR/71	98.63
500kV Mundra - Mohindergarh HVDC Pole-1	30-08-2021 21:23	31-08-2021 00:31	3:08	0:00	0:00	0:00	Transient DC line fault occurred in Pole 1 & Pole 2. Resulting Pole-1 & Pole 2 in Reduce DC Voltage operation(RVO) from 500kV to 400kV.	99.6
500kV Mundra - Mohindergarh HVDC Pole-2	30-08-2021 21:26	31-08-2021 00:34	3:08	0:00	0:00	0:00	Transient DC line fault occurred in Pole 1 & Pole 2. Resulting Pole-1 & Pole 2 in Reduce DC Voltage operation(RVO) from 500kV to 400kV.	99.6
400kV MUNDRA-SAMI CKT-2	17-08-2021 18:17	18-08-2021 02:56	0:00	8:39	0:00	0:00	400kV Sami - Mundra Ckt- 2 tripped due to GETCO Line CT (Y-Ph) of 400kV Mundra - Hadala Blasted at APMul-Mundra end. (400kV Mundra-Sami-2 bay was in the close Vicinity of Hadala Circuit Bay) Charging code-WR/1844	100
500kV Mundra - Mohindergarh HVDC Pole-1	01-09-2021 14:22	01-09-2021 17:34	0:00	0:00	0:00	3:12	500kV HVDC Pole-1 shutdown taken for "Reverse Power Flow" from HVDC Mahendragarh to HVDC Mundra as instructed by NLDC	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
500kV Mundra - Mohindergarh HVDC Pole-1	02-09-2021 14:47	02-09-2021 17:43	0:00	0:00	0:00	2:56	500kV HVDC Pole-1 shutdown taken to "Normalize Power Flow" from HVDC Mundra to HVDC Mahendragarh as instructed by NLDC	39.4
500kV Mundra - Mohindergarh HVDC Pole-1	02-09-2021 17:46	05-09-2021 10:03	64:17	0:00	0:00	0:00	500kV HVDC Pole-1 tripped on 87 HV ESOF Bus-Bar Protection. Fault was identified in P-1 DC Voltage Divider (VMD)	
500kV Mundra - Mohindergarh HVDC Pole-1	05-09-2021 10:09	20-09-2021 22:05	371:56	0:00	0:00	0:00	500kV HVDC Pole-1 again tripped on 87 HV ESOF Bus-Bar Protection. Fault was identified in P-1 DC Voltage Divider (VMD)	
500kV Mundra - Mohindergarh HVDC Pole-1	26-09-2021 08:15	27-09-2021 01:09	0:00	0:00	0:00	16:54	500kV HVDC Bipole Shutdown taken by LBTL Asset for 765kV Lakadia - Basankantha D/C Line Crossing work.	
500kV Mundra - Mohindergarh HVDC Pole-2	01-09-2021 14:27	01-09-2021 17:21	0:00	0:00	0:00	2:54	500kV HVDC Pole-2 shutdown taken for "Reverse Power Flow" from HVDC Mahendragarh to HVDC Mundra as instructed by NLDC	100
500kV Mundra - Mohindergarh HVDC Pole-2	02-09-2021 14:53	02-09-2021 17:53	0:00	0:00	0:00	3:00	500kV HVDC Pole-2 shutdown taken to "Normalize Power Flow" from HVDC Mundra to HVDC Mahendragarh as instructed by NLDC	
500kV Mundra - Mohindergarh HVDC Pole-2	26-09-2021 08:21	27-09-2021 02:03	0:00	0:00	0:00	17:42	500kV HVDC Bipole Shutdown taken by LBTL Asset for 765kV Lakadia - Basankantha D/C Line Crossing work.	
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-2	23-09-2021 13:26	23-09-2021 16:01	0:00	0:00	0:00	2:35	Shutdown taken by Dhanonda SS for rectification of hotspot identified at Dhanonda S/S.	100
400kV MUNDRA-SAMI CKT-1	04-09-2021 22:13	07-09-2021 09:10	0:00	0:00	0:00	58:57	Ckt-1 manually discharged As per instruction received from ALDC against code no WR/448 for Bus Voltage Control.	99.97
400kV MUNDRA-SAMI CKT-1	08-09-2021 02:33	18-09-2021 08:02	0:00	0:00	0:00	245:29	Ckt-1 manually discharged As per instruction received from ALDC against code no WR/816 for Bus Voltage Control.	
400kV MUNDRA-SAMI CKT-1	25-09-2021 08:58	25-09-2021 09:11	0:13	0:00	0:00	0:00	Ckt-1 manually discharged at 08:58 Hrs against code no. WR/2913 for discharging 50MVAR Non Switchable Line Reactor-1 at Sami SS for carrying out maintenance and Oil Filtration. Discharging code for LR-1 : WR/2914.	
400kV MUNDRA-SAMI CKT-1	25-09-2021 09:11	26-09-2021 08:18	0:00	0:00	0:00	23:07	Non Switachable Line Reactor-1 isolated from Ckt-1 at 09:00 Hrs and Readiness mail for charging Ckt-1 without Line Reactor-1 sent at 09:11 Hrs. But due to Grid Voltage Constraint, LD confirmed Not to charge Ckt-1. On 26th Sept'21, LD confirmed to charge Ckt-1 via charging code WR/3044, but while restoring	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV MUNDRA-SAMI CKT-1	26-09-2021 08:18	29-09-2021 19:18	0:00	0:00	0:00	83:00	Ckt-1 at 08:18 Hrs, the same Ckt-1 tripped on Over Voltage protection stage-1 due to Higher Bus Voltage (445KV). On 29th Sept'21 as LD requirement, Ckt-1 along with LR-1 tied successfully with Grid at 19:18 Hrs. Charging code for LR-1 WR/3410 and for Ckt-1	
400kV MUNDRA-SAMI CKT-2	19-09-2021 02:28	25-09-2021 08:28	0:00	0:00	0:00	150:00	Ckt-2 manually discharged As per instruction received from ALDC against code no WR/2045 for Bus Voltage Control.	100
400kV MUNDRA-SAMI CKT-2	29-09-2021 20:20	01-10-2021 00:00	0:00	0:00	0:00	27:40	Ckt-2 manually discharged As per instruction received from ALDC against code no WR/3428 for Bus Voltage Control. (Still Ckt-2 Not yet restored)	
400kV SAMI-DEHGAM CKT-1	08-09-2021 20:39	10-09-2021 14:39	0:00	0:00	0:00	42:00	Ckt-1 manually discharged As per instruction received from ALDC against code no WR/939 for Bus Voltage Control.	100
400kV SAMI-DEHGAM CKT-1	12-09-2021 01:23	14-09-2021 11:26	0:00	0:00	0:00	58:03	Ckt-1 manually discharged As per instruction received from ALDC against code no WR/1322 for Bus Voltage Control.	
400kV BUS REACTOR-1 AT MUNDRA	13-09-2021 09:22	14-09-2021 13:23	28:01	0:00	0:00	0:00	Shutdown taken for carrying out Annual Maintenance & respective bay equipment. Discharging Code : WR/1407 & Charging Code : WR/1562	96.11
400kV BUS REACTOR-3 AT MUNDRA	16-09-2021 09:58	17-09-2021 11:44	25:46	0:00	0:00	0:00	Shutdown taken for carrying out Annual Maintenance & respective bay equipment. Discharging Code : WR/1804 & Charging Code : WR/1905	96.42
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	12-10-2021 12:29	12-10-2021 15:48	0:00	3:19	0:00	0:00	Shutdown was taken by 400 KV Dhanonda (HVPNL) to attend hot spot in isolator at their end.	100
500kV Mundra - Mohindergarh HVDC Pole-1	16-10-2021 15:31	16-10-2021 19:17	0:00	0:00	0:00	3:46	Emergency shutdown of Pole 1 was taken by Mundra for rescue of an unknown person who climbed on HVDC Mundra Mohindergarh Tower no 1316 in Bhinmal Section.	100
500kV Mundra - Mohindergarh HVDC Pole-1	28-10-2021 11:19	31-10-2021 23:59	0:00	0:00	0:00	84:40	Shutdown was taken as per grid requirement and instruction received from NLDC.Pole still not charged. NOTE:-(outage time calculated till 31-10-2021; 23:59)	
500kV Mundra - Mohindergarh HVDC Pole-2	16-10-2021 15:34	16-10-2021 19:22	0:00	0:00	0:00	3:48	Emergency shutdown of Pole 2 was taken by Mundra for rescue of an unknown person who climbed on HVDC Mundra Mohindergarh Tower no 1316 in Bhinmal Section.	100
500kV Mundra - Mohindergarh HVDC Pole-2	25-10-2021 15:10	31-10-2021 23:59	0:00	0:00	0:00	152:49	Shutdown was taken as per grid requirement and instruction received from NLDC.Pole still not charged. NOTE:-(outage time calculated till 31-10-2021; 23:59)	
400kV SAMI-DEHGAM CKT-1	28-10-2021 09:25	28-10-2021 19:14	9:49	0:00	0:00	0:00	Shutdown taken for carrying out Annual Maintenance & respective bay equipment. Discharging Code : WR/3801 & Charging Code : WR/3882	98.68
400kV SAMI-DEHGAM CKT-1	29-10-2021 07:40	29-10-2021 22:28	0:00	0:00	0:00	14:48	Shut down taken by GETCO due to line crossing of 400 KV D/C Soja – Zerda Line. Discharging code : WR/3909 Charging code : WR/4028	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV SAMI-DEHGAM CKT-2	29-10-2021 07:40	29-10-2021 22:28	0:00	0:00	0:00	14:48	Shut down taken by GETCO due to line crossing of 400 KV D/C Soja – Zerda Line. Discharging code : WR/3910 Charging code : WR/4029	98.53
400kV SAMI-DEHGAM CKT-2	30-10-2021 06:47	30-10-2021 17:45	10:58	0:00	0:00	0:00	400kV SAMI-DEHGAM CKT-2 tripped due to LA failure at Sami SS. After replacement of LA, while charging the line again tripped due to DT received from remote end. After thorough patrolling line charged at 17:45 Hrs. Charging code : WR/4121	
400kV MUNDRA-SAMI CKT-2	01-10-2021 00:00	06-10-2021 16:29	0:00	0:00	0:00	136:29	Ckt-2 manually discharged on 29-09-2021 as per instruction received from ALDC against code no WR/3428 for Bus Voltage Control.	100
400/220kV ICT-1 AT MUNDRA	08-10-2021 15:54	09-10-2021 11:52	19:58	0:00	0:00	0:00	400/220kV ICT-1 tripped on PRV operated at Mundra SS. Charging code : WR/1198	97.32
400kV BUS REACTOR-2 AT MUNDRA	19-10-2021 09:41	20-10-2021 12:16	26:35	0:00	0:00	0:00	Shutdown taken for carrying out Annual Maintenance of Bus Reactor with respective bay equipment. Discharging Code : WR/2477 Charging Code : WR/2644	96.43
500kV Mundra - Mohindergarh HVDC Pole-1	01-11-2021 00:00	25-11-2021 09:28	0:00	0:00	0:00	585:28	Shutdown was taken as per grid requirement and instruction received from NLDC. NOTE:-(Outage time calculated from 01-11-2021 00:00 Hrs. Pole blocked at 28-10-2021 11:19 Hrs)	100
500kV Mundra - Mohindergarh HVDC Pole-1	25-11-2021 09:29	28-11-2021 21:25	0:00	0:00	0:00	83:56	This outage was taken for carrying out modification works for other entity i.e. Northern Railways for a project of National importance. Hence this outage is proposed as deemed available to ATIL	
500kV Mundra - Mohindergarh HVDC Pole-2	01-11-2021 00:00	25-11-2021 09:28	0:00	0:00	0:00	585:28	Shutdown was taken as per grid requirement and instruction received from NLDC. NOTE:-(Outage time calculated from 01-11-2021 00:00 Hrs. Pole blocked at 25-10-2021 15:10 Hrs)	100
500kV Mundra - Mohindergarh HVDC Pole-2	25-11-2021 09:29	28-11-2021 21:25	0:00	0:00	0:00	83:56	This outage was taken for carrying out modification works for other entity i.e. Northern Railways for a project of National importance. Hence this outage is proposed as deemed available to ATIL	
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	08-11-2021 11:42	20-11-2021 16:18	0:00	0:00	0:00	292:36	Shutdown was taken for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting of the Empowered committee of Transmission (pg 13 of MOM)	100
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	25-11-2021 12:25	25-11-2021 17:17	0:00	4:52	0:00	0:00	Emergency Shutdown was taken by 400 KV Dhanonda (HVPNL) for card replacement in BCU relay.	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV BUS REACTOR-2 AT MUNDRA	08-11-2021 13:56	08-11-2021 18:24	4:28	0:00	0:00	0:00	Shutdown of Bus Reactor-2 taken as abnormal sound absorbed from Bus Reactor-2 R-Ph. Discharging code : SLDC code:155 Charging code : SLDC code: 161	99.38
400kV BUS REACTOR AT SAMI SS	26-11-2021 09:08	26-11-2021 19:01	9:53	0:00	0:00	0:00	Bus Reactor outage taken for annual maintenance of Bus Reactor and assooiated bay equipment. Discharging code - WR/3572 Charging code - WR/3686	98.63
400kV MUNDRA-SAMI CKT-1	04-11-2021 13:54	12-11-2021 09:35	0:00	0:00	0:00	187:41	Ckt-1 manually discharged on 04-11-2021 as per instruction received from ALDC against code no WR/336 for Bus Voltage Control.	100
400kV MUNDRA-SAMI CKT-1	12-11-2021 21:45	15-11-2021 08:41	0:00	0:00	0:00	58:56	Ckt-1 manually discharged on 12-11-2021 as per instruction received from ALDC against code no WR/1468 for Bus Voltage Control.	
400kV MUNDRA-SAMI CKT-1	19-11-2021 20:39	23-11-2021 09:50	0:00	0:00	0:00	85:11	Ckt-1 manually discharged on 19-11-2021 as per instruction received from ALDC against code no WR/2595 for Bus Voltage Control.	
400kV MUNDRA-SAMI CKT-2	29-11-2021 09:06	29-11-2021 19:16	10:10	0:00	0:00	0:00	Line outage taken for annual maintenance and RTV coating on line bay equipments as APL Mundra SS. Discharging code - WR/3999 Charging code - WR/4092	98.59
400kV MUNDRA-SAMI CKT-2	30-11-2021 03:09	30-11-2021 23:59	0:00	0:00	0:00	20:50	Ckt-2 manually discharged on 30-11-2021 as per instruction received from ALDC for Bus Voltage Control. Discharging code - WR/4115	
400kV SAMI-DEHGAM CKT-1	04-11-2021 13:58	15-11-2021 08:44	0:00	0:00	0:00	258:46	Ckt-1 manually discharged on 04-11-2021 as per instruction received from ALDC against code no WR/335 for Bus Voltage Control.	100
400kV SAMI-DEHGAM CKT-2	30-11-2021 03:06	30-11-2021 23:59	0:00	0:00	0:00	20:53	Ckt-2 manually discharged on 30-11-2021 as per instruction received from ALDC for Bus Voltage Control. Discharging code - WR/4116	100
500kV Mundra - Mohindergarh HVDC Pole-1	04-12-2021 10:01	04-12-2021 12:36	0:00	0:00	0:00	2:35	Shutdown was taken as per grid requirement and instruction received from NLDC.	100
500kV Mundra - Mohindergarh HVDC Pole-2	04-12-2021 10:01	04-12-2021 12:42	0:00	0:00	0:00	2:41	Shutdown was taken as per grid requirement and instruction received from NLDC.	100
400kV MUNDRA-SAMI CKT-1	12-12-2021 00:12	13-12-2021 10:11	0:00	0:00	0:00	33:59	400KV-APL-MUNDRA-SAMI-1 manually discharged against code no WR/1689 at 00:12 hrs. on 12.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/2045	100
400kV MUNDRA-SAMI CKT-1	14-12-2021 20:24	16-12-2021 09:01	0:00	0:00	0:00	36:37	400kV MUNDRA-SAMI CKT-1 manually discharged against code no WR/2333 at 20:24 hrs. on 14.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/2602	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV MUNDRA-SAMI CKT-1	26-12-2021 09:47	26-12-2021 21:05	0:00	0:00	0:00	11:18	400kV MUNDRA-SAMI CKT-1 manually discharged against code no WR/4390 at 09:47 hrs. on 26.12.2021 as per instruction received from RLDC for crossing of 765kV Lakadia Banaskantha Line. Shut down taken by LBTL due to line crossing. Charging Code- WR/4438	100
400kV MUNDRA-SAMI CKT-1	30-12-2021 22:14	31-12-2021 23:59	0:00	0:00	0:00	25:45	400kV MUNDRA-SAMI CKT-1 manually discharged at 22:14 hrs against code WR/5115 on 30.12.2021 as per instruction received from RLDC for bus voltage control. Line still not charged.	
400kV MUNDRA-SAMI CKT-2	01-12-2021 00:01	06-12-2021 10:23	0:00	0:00	0:00	130:22	400kV MUNDRA-SAMI CKT-2 manually discharged against code no WR/4115 at 03:09 hrs. on 30.11.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/823	100
400kV MUNDRA-SAMI CKT-2	06-12-2021 22:24	07-12-2021 08:49	0:00	0:00	0:00	10:25	400kV MUNDRA-SAMI CKT-2 manually discharged against code no WR/920 at 22:24 hrs. on 06.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/968	
400kV MUNDRA-SAMI CKT-2	07-12-2021 22:26	08-12-2021 07:46	0:00	0:00	0:00	9:20	400kV MUNDRA-SAMI CKT-2 manually discharged against code no WR/1132 at 22:26 hrs. on 07.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/1158	
400kV MUNDRA-SAMI CKT-2	14-12-2021 00:28	14-12-2021 10:11	0:00	0:00	0:00	9:43	400kV-APL-MUNDRA-SAMI-2 manually discharged against code no WR/2165 at 00:28 hrs. on 14.12.2021 manually discharged as per instruction received from RLDC for bus voltage control. Charging Code- WR/2191	
400kV MUNDRA-SAMI CKT-2	16-12-2021 12:57	18-12-2021 10:53	0:00	0:00	45:56	0:00	400kV MUNDRA-SAMI CKT-2 tripped at 12:57 hrs. on 16.12.2021 due to DT Received from APL-Mundra and Over voltage Stage-1 operated from Mundra end. Readiness given for charging at 13:20 Hrs on 16th Dec but due to high voltage line was not charged. Line charged on 18th Dec 10:53 Hrs. Charging code : WR/3018	
400kV MUNDRA-SAMI CKT-2	18-12-2021 19:06	22-12-2021 09:54	0:00	0:00	0:00	86:48	400kV MUNDRA-SAMI CKT-2 manually discharged at 19:06 hrs against code no WR/3095 on 18.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/3758	
400kV MUNDRA-SAMI CKT-2	22-12-2021 20:18	23-12-2021 08:56	0:00	0:00	0:00	12:38	400kV MUNDRA-SAMI CKT-2 manually discharged at 20:18 hrs against code no WR/3873 on 22.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/3938	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV MUNDRA-SAMI CKT-2	23-12-2021 20:30	24-12-2021 08:20	0:00	0:00	0:00	11:50	400kV MUNDRA-SAMI CKT-2 manually discharged at 20:30 hrs against code: WR/4056 on 23.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/4098	
400kV MUNDRA-SAMI CKT-2	25-12-2021 00:08	26-12-2021 21:04	0:00	0:00	0:00	44:56	400kV MUNDRA-SAMI CKT-2 manually discharged at 00:08 hrs against code WR/4245 on 25.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/4437	
400kV MUNDRA-SAMI CKT-2	26-12-2021 22:06	28-12-2021 08:26	0:00	0:00	0:00	34:20	400kV MUNDRA-SAMI CKT-2 manually discharged at 22:06 hrs against code WR/4448 on 26.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/4679	
400kV MUNDRA-SAMI CKT-2	28-12-2021 20:58	30-12-2021 08:40	0:00	0:00	0:00	35:42	400kV MUNDRA-SAMI CKT-2 manually discharged at 20:58 hrs against code WR/4494 on 28.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/5013	
400kV SAMI-DEHGAM CKT-2	01-12-2021 00:01	06-12-2021 09:54	0:00	0:00	0:00	129:53	400kV SAMI-DEHGAM CKT-2 manually discharged against code no WR/4116 at 03:06 hrs. on 30.11.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/808	100
400kV SAMI-DEHGAM CKT-2	07-12-2021 22:25	08-12-2021 07:50	0:00	0:00	0:00	9:25	400kV SAMI-DEHGAM CKT-2 manually discharged against code no WR/1133 at 22:25 hrs. on 07.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/1159	
400/220kV ICT-2 AT MUNDRA	07-12-2021 09:05	07-12-2021 22:07	13:02	0:00	0:00	0:00	Outage taken for Annual maintenance of ICT and respective bay equipment. Discharging code - WR/981 Charging code - WR/1126	98.25
400kV SAMI-DEHGAM CKT-1	15-12-2021 01:40	16-12-2021 09:27	0:00	0:00	0:00	31:47	400kV SAMI-DEHGAM CKT-1 manually discharged against code no WR/2366 at 01:40 hrs. on 15.12.2021 as per instruction received from RLDC for bus voltage control. Charging Code- WR/2603	100
400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-1	18-01-2022 10:15	19-01-2022 17:53	0:00	31:38	0:00	0:00	Line Outage taken by PGCIL For Dismantaling of wavetrap from Bhiwani (PGCIL)-Mohindergarh(Adani)-Ckt 1.	100
400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-2	20-01-2022 10:08	21-01-2022 19:01	0:00	32:53	0:00	0:00	Line Outage taken by PGCIL For Dismantaling of wavetrap from Bhiwani (PGCIL)-Mohindergarh(Adani)-Ckt 2.	100

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	24-01-2022 09:28	31-01-2022 23:59	0:00	0:00	0:00	182:31	Shutdown was taken for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting of the Empowered committee of Transmission (pg 13 of MOM)	100
500kV Mundra - Mohindergarh HVDC Pole-1	29-01-2022 18:09	31-01-2022 23:59	0:00	0:00	0:00	53:50	Shutdown was taken as per grid requirement and instruction received from NLDC. Outage hours considered till 31st Jan 23:59 Hrs	100
400kV MUNDRA-SAMI CKT-1	01-01-2022 00:00	03-01-2022 10:38	0:00	0:00	0:00	58:38	400kV MUNDRA-SAMI CKT-1 manually discharged at 22:14 hrs against code WR/5115 on 30.12.2021 as per instruction received from ALDC for bus voltage control. (Charging code - WR/253)	100
400kV MUNDRA-SAMI CKT-2	06-01-2022 21:10	07-01-2022 09:50	0:00	0:00	0:00	12:40	400kV MUNDRA-SAMI CKT-2 manually discharged at 21:10 hrs against code WR/884 on 06.01.2022 as per instruction received from ALDC for bus voltage control. (Charging code - WR/928)	100
400kV MUNDRA-SAMI CKT-2	07-01-2022 20:03	08-01-2022 15:04	0:00	0:00	0:00	19:01	400kV MUNDRA-SAMI CKT-2 manually discharged at 20:03 hrs against code WR/1046 on 07.01.2022 as per instruction received from ALDC for bus voltage control. (Charging code - WR/1159)	
400kV MUNDRA-SAMI CKT-2	08-01-2022 20:15	17-01-2022 10:10	0:00	0:00	0:00	205:55	400kV MUNDRA-SAMI CKT-2 manually discharged at 20:15 hrs against code WR/1221 on 08.01.2022 as per instruction received from ALDC for bus voltage control. (Charging code - WR/2419)	
400kV MUNDRA-SAMI CKT-2	17-01-2022 19:52	18-01-2022 09:09	0:00	0:00	0:00	13:17	400kV MUNDRA-SAMI CKT-2 manually discharged at 19:52 hrs against code WR/2520 on as per instruction received from ALDC for bus voltage control. (Charging code - WR/2596)	
400kV MUNDRA-SAMI CKT-2	19-01-2022 19:53	29-01-2022 11:48	0:00	0:00	0:00	231:55	400kV MUNDRA-SAMI CKT-2 manually discharged at 19:53 hrs against code WR/2897 as per instruction received from ALDC for bus voltage control. (Charging code - WR/4423)	
400kV MUNDRA-SAMI CKT-2	29-01-2022 23:22	31-01-2022 23:59	0:00	0:00	0:00	48:37	400kV MUNDRA-SAMI CKT-2 at 23:22 hrs against code WR/4532 as per instruction received from ALDC for bus voltage control. (Charging code - WR/0000)	100
400kV SAMI-DEHGAM CKT-2	10-01-2022 10:37	10-01-2022 11:45	0:00	0:00	0:00	1:08	400kV SAMI-DEHGAM CKT-2 tripped due to Zone-1 distance protection operated, R-Y phase fault due to kite thread, 108.8 Kms from Sami SS. (Charging code - WR/1419)	
400kV SAMI-DEHGAM CKT-2	14-01-2022 12:51	14-01-2022 15:09	0:00	0:00	0:00	2:18	400kV SAMI-DEHGAM CKT-2 tripped due to Zone-1 distance protection operated, R-Y phase fault due to kite thread, 101.9 Kms from Sami SS. While charging the line after getting Charging code - WR/2054 at 13:26 Hrs line again tripped on B-phase to Earth fault, 55.6 Kms from Sami SS. (Charging code - WR/2059).	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV SAMI-DEHGAM CKT-2	15-01-2022 14:18	15-01-2022 15:19	0:00	0:00	0:00	1:01	400kV SAMI-DEHGAM CKT-2 tripped due to Zone-1 distance protection operated, R-B ph fault due to kite thread, 102.9 Kms from Sami SS. (Charging code - WR/2166),	
400kV SAMI-DEHGAM CKT-2	16-01-2022 14:39	16-01-2022 15:19	0:00	0:00	0:00	0:40	400kV SAMI-DEHGAM CKT-2 tripped due to Zone-1 distance protection operated, R-Y ph fault due to kite thread, 106.39 Kms from Sami SS. (Charging code - WR/2280)	
400kV SAMI-DEHGAM CKT-1	23-01-2022 03:11	23-01-2022 03:11	0:00	0:00	0:00	0:00	400kV SAMI-DEHGAM CKT-1 Auto reclose successfull at 03:11 on date :23.01.2022.(Y phase, Main-1 Dist. 86.5Km. & Main-2 Dist.97..7Km.))	100
500kV Mundra - Mohindergarh HVDC Pole-1	01-02-2022 00:00	18-02-2022 16:21	0:00	0:00	0:00	424:21	Shutdown was taken on 29th Jan 18:09 Hrs as per grid requirement and instruction received from NLDC. Outage hours considered from 1st Feb 00:00 Hrs	100
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	01-02-2022 00:00	11-02-2022 10:22	0:00	0:00	0:00	250:22	Shutdown was taken on 24th Jan 9:28 Hrs for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting o the Empowered committee of Transmission (pg 13 of MOM). Outage hours considered from 1st Feb 00:00 Hrs	100
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	11-02-2022 10:22	19-02-2022 02:27	0:00	0:00	0:00	184:05	400 kV Mohindergarh -Dhanoda ckt-1 & 2 were taken under outage to execute highway crossing works for NHAI. This was discussed in the meeting between NRLDC, NRPC, NHAI and ATIL on 28.01.2022 (minutes enclosed), and the forum approved deemed avaiability to ATIL for this outage.	
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-2	11-02-2022 10:22	19-02-2022 02:27	0:00	0:00	0:00	184:05	400 kV Mohindergarh -Dhanoda ckt-1 & 2 were taken under outage to execute highway crossing works for NHAI. This was discussed in the meeting between NRLDC, NRPC, NHAI and ATIL on 28.01.2022 (minutes enclosed), and the forum approved deemed avaiability to ATIL for this outage.	100
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-2	19-02-2022 02:27	28-02-2022 23:59	0:00	0:00	0:00	237:32	Shutdown was taken on 19th Feb 02:27 Hrs for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting o the Empowered committee of Transmission (pg 13 of MOM). Outage hours considered to 28th Feb 23:59 Hrs. Line still not charged.	
400kV MUNDRA-SAMI CKT-2	01-02-2022 00:00	10-02-2022 12:40	0:00	0:00	0:00	228:40	400KV-APL-MUNDRA-SAMI-2 manually discharged at 23:22 hrs against code WR/4532 on 29.01.2022 as per instruction received from RLDC for bus voltage control. (Charging code - WR/1468)	

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400kV MUNDRA-SAMI CKT-2	10-02-2022 20:03	20-02-2022 10:09	0:00	0:00	0:00	230:06	400KV-APL-MUNDRA-SAMI-2 manually discharged at 20:03 hrs against code WR/1541 on 10.02.2022 as per instruction received from RLDC for bus voltage control. (Charging code - WR/2967)	100
400kV MUNDRA-SAMI CKT-2	22-02-2022 18:56	28-02-2022 12:48	0:00	0:00	0:00	137:52	400KV-APL-MUNDRA-SAMI-2 manually discharged at 18:56 hrs against code WR/3358 on 22.02.2022 as per instruction received from RLDC for bus voltage control. (Charging code - WR/4139)	
400kV SAMI-DEHGAM CKT-1	01-02-2022 07:21	01-02-2022 07:21	0:00	0:00	0:00	0:00	400KV DEHGAM SAMI-1 Auto reclosure successfully operated at 07:21. (R-ph to E/F, 61.7 Km from Sami SS)	100
400kV SAMI-DEHGAM CKT-1	03-02-2022 07:32	03-02-2022 07:32	0:00	0:00	0:00	0:00	400KV DEHGAM SAMI-1 Auto reclosure successfully operated at 07:32 (B-ph to E/F, Dist.70.59 Km from SS.)	
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-2	01-03-2022 00:00	14-03-2022 20:16	0:00	0:00	0:00	332:16	Shutdown was taken on 19th Feb 02:27 Hrs for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting o the Empowered committee of Transmission (pg 13 of MOM). Hence is proposed as deemed available to ATIL.Outage hours considered from 1st March 2022.	100
400kV Mohindergarh (ATIL) - Dhanonda (HVPNL) Ckt-1	15-03-2022 09:50	28-03-2022 14:08	0:00	0:00	0:00	316:18	Shutdown was taken on 15th Mar 9:50 Hrs for Erection work of Series Reactor installation. This installation is a part of technical upgradation as recommended by CEA and PCC, and has been approved in the 39th meeting of Standing committee on power system planning of Northern region (pg 37 of MOM) and 3rd meeting o the Empowered committee of Transmission (pg 13 of MOM). Hence is proposed as deemed available to ATIL.	100
500kV Mundra - Mohindergarh HVDC Pole-1	16-03-2022 09:04	22-03-2022 04:32	0:00	0:00	0:00	139:28	Pole -1 outage taken for Shifting of 33 kV Earth Electrode Mohindergarh - Kaithal Transmission line for NHAI crossing. Outage was discussed in the 192nd OCC meeting of NRPC and NRPC Sectt has allowed deemed availability for the outage (minutes enclosed- Agenda no 20 page 15)	100
500kV Mundra - Mohindergarh HVDC Pole-2	16-03-2022 09:17	22-03-2022 04:41	0:00	0:00	0:00	139:24	Pole -2 outage taken for Shifting of 33 kV Earth Electrode Mohindergarh - Kaithal Transmission line for NHAI crossing. Outage was discussed in the 192nd OCC meeting of NRPC and NRPC Sectt has allowed deemed availability for the outage (minutes enclosed- Agenda no 20 page 15)	100
400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-1	19-03-2022 10:46	19-03-2022 14:47	4:01	0:00	0:00	0:00	Emergency outage of 400kV Mohindergarh (ATIL) - Bhiwani (PG) Ckt-1 taken for attending hotspot at 20C06A – Q11-400 kV Bus-1 Isolator.	99.44

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmissi on Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
400KV MUNDRA-SAMI CKT-2	18-03-2022 14:41	19-03-2022 09:04	0:00	0:00	0:00	18:23	400KV-APL-MUNDRA-SAMI-2 manually discharged at 14:41 hrs against code WR/2267 on 18.03.2022 as per instruction received from ALDC for bus voltage control. (Line charging code WR/2325)	99.46
400KV MUNDRA-SAMI CKT-2	30-03-2022 13:05	30-03-2022 17:04	3:59	0:00	0:00	0:00	Emergency Outage of 400KV-APL-MUNDRA-SAMI-2 taken against code WR/3793 at 13:05 hrs. on 30.03.2022 to attend the hot spot of 404 wave trap and 405 89B Isolator. Line charging Code: WR/3821	
400KV SAMI-DEHGAM CKT-1	23-03-2022 08:52	24-03-2022 16:45	0:00	31:53	0:00	0:00	400KV DEHGAM-SAMI-1 manually discharged at 08:52 hrs against code WR/2901 on 23.03.2022 as per instruction received from ALDC for line crossing work of 400KV D/C Wanakbori-Soja Line under construction work by GETCO. (T.No:1170 to 1171) (SD-1 Line Charging Code : WR/3099)	100
400KV SAMI-DEHGAM CKT-2	23-03-2022 08:52	24-03-2022 16:46	0:00	31:54	0:00	0:00	400KV DEHGAM-SAMI-2 manually discharged at 08:52 hrs against code WR/2902 on 23.03.2022 as per instruction received from ALDC for line crossing work of 400KV D/C Wanakbori-Soja Line under construction work by GETCO. (T.No:1170 to 1171) (SD-2 Line Charging Code : WR/3100)	100

II

Elements where restoration time has exceeded the standards specified in Regulation 5 (b)

Element Name	Restoration time as specified in Regulation 5 (b) (in days)	Actual restoration time (in days)
NIL	NIL	NIL
NIL	NIL	NIL
NIL	NIL	NIL

III

Details of compensation paid by the inter-State transmission licensee

Element Name	Violation of Regulation 5 (a)		Violation of Regulation 5 (b)		Compensation paid (in Rs.)
	% Availability rescribed	Actual % Availability	Restoration time prescribed (in days)	Actual restoration time (in days)	
NIL	NIL	NIL	NIL	NIL	NIL
NIL	NIL	NIL	NIL	NIL	NIL
NIL	NIL	NIL	NIL	NIL	NIL