

Element wise Outage Details of Bikaner Khetri Transmission Limited for FY 2022 - 23

Element Name	Outage		Restoration		Duration of Outage Attributable to						% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage		
400kV MUNDRA-SAMI CKT-1	7-Apr-22	12:07:00	7-Apr-22	12:25:00	0:18:00	0:00:00	0:00:00	0:00:00	Line manually discharged and 50MVAR Non-Switchable Line Reactor-1 taken out for ODU and online DGA installation work at 400KV Sami SS. Line Charged without Line reactors.		
400kV MUNDRA-SAMI CKT-1	7-Apr-22	13:39:00	7-Apr-22	13:49:00	0:10:00	0:00:00	0:00:00	0:00:00	Line manually discharged for taking non switchable Line Reactor in service after installation of ODU and Online DGA.		
400kV BUS REACTOR AT SAMI SS	9-Apr-22	11:28:00	9-Apr-22	12:06:00	0:38:00	0:00:00	0:00:00	0:00:00	Bus Reactor manually discharged for ODU and online DGA installation work.		
400kV BUS REACTOR-1 AT MUNDRA	28-Apr-22	9:55:00	28-Apr-22	22:36:00	12:41:00	0:00:00	0:00:00	0:00:00	Bus Reactor manually discharged for ODU and online DGA installation work and oil filtration work.		
400kV BUS REACTOR-2 AT MUNDRA	29-Apr-22	10:18:00	29-Apr-22	15:06:00	4:48:00	0:00:00	0:00:00	0:00:00	Bus Reactor manually discharged for ODU and online DGA installation work.		
400kV BUS REACTOR-3 AT MUNDRA	30-Apr-22	10:39:00	30-Apr-22	13:01:00	2:22:00	0:00:00	0:00:00	0:00:00	Bus Reactor manually discharged for ODU and online DGA installation work.		
400kV SAMI-DEHGAM CKT-1	31-May-22	9:15:00	31-May-22	20:19:00	11:04:00	0:00:00	0:00:00	0:00:00	Line outage taken for porcelain Insulator cloth Cleaning work.		
400kV BUS REACTOR-1 AT MUNDRA	6-Jun-22	8:02:00	6-Jun-22	19:13:00	11:11:00	0:00:00	0:00:00	0:00:00	Outage taken for ODU panel installation and commissioning work.		
400kV MUNDRA-SAMI CKT-1	7-Jun-22	14:20:00	7-Jun-22	17:59:00	0:00:00	0:00:00	0:00:00	3:39:00	Line tripped due to stubble burying under tower no. 290-291.		
400kV BUS REACTOR-2 AT MUNDRA	7-Jun-22	8:02:00	7-Jun-22	18:06:00	10:04:00	0:00:00	0:00:00	0:00:00	Outage taken for ODU panel installation and commissioning work.		

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400kV BUS REACTOR-3 AT MUNDRA	8-Jun-22	8:17:00	8-Jun-22	18:02:00	9:45:00	0:00:00	0:00:00	0:00:00	Outage taken for ODU panel installation and commissioning work.		
400kV BUS REACTOR-2 AT MUNDRA	15-Jun-22	19:21:00	15-Jun-22	20:51:00	1:30:00	0:00:00	0:00:00	0:00:00	Emergency outage taken for oil leakage attending from B-ph Buchholz relay.		
400kV BUS REACTOR-1 AT MUNDRA	15-Jun-22	17:20:00	15-Jun-22	19:13:00	1:53:00	0:00:00	0:00:00	0:00:00	Emergency outage taken for oil leakage attending from Y-ph Buchholz relay.		
400kV MUNDRA-SAMI CKT-1	16-Jun-22	0:21:00	16-Jun-22	18:20:00	0:00:00	17:59:00	0:00:00	0:00:00	Line tripped due to B-ph Line CT failure at APL-Mundra SS. Line bay scope - APL.		
400kV MUNDRA-SAMI CKT-2	16-Jun-22	19:18:00	17-Jun-22	21:44:00	0:00:00	26:26:00	0:00:00	0:00:00	Emergency outage of line taken by APL Mundra to attend oil leakage of line-2 CT after CT failure of Line-1. Line-2 Bay is adjacent to Line-1 Bay at APL Mundra SS.		
400kV BUS REACTOR-2 AT MUNDRA	30-Jun-22	13:21:00	30-Jun-22	16:37:00	3:16:00	0:00:00	0:00:00	0:00:00	Emergency outage taken for oil leakage attending from B-ph Buchholz relay.		
400kV SAMI-DEHGAM CKT-1	3-Jul-22	22:02:00	4-Jul-22	14:46:00	0:00:00	0:00:00	0:00:00	16:44:00	Line manually discharged against code no WR/252 at 22:04 hrs. on 03.07.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/341)		
400kV SAMI-DEHGAM CKT-1	4-Jul-22	22:51:00	13-Jul-22	7:40:00	0:00:00	0:00:00	0:00:00	200:49:00	Line manually discharged against code no WR/380 at 22:51 hrs. on 04.07.2022 as per instruction received from ALDC for bus voltage control. Charging Code: WR/1321		
400kV MUNDRA-SAMI CKT-1	4-Jul-22	22:53:00	13-Jul-22	7:37:00	0:00:00	0:00:00	0:00:00	200:44:00	Line manually discharged against code no: WR/379 at 22:53 hrs on dated 04.07.2022 as per instruction received from ALDC for bus voltage control. Charging Code: WR/1322		
400kV MUNDRA-SAMI CKT-2	13-Jul-22	20:31:00	20-Jul-22	8:46:00	0:00:00	0:00:00	0:00:00	156:15:00	Line manually discharged against code no: WR/1403 at 20:31 hrs on dated 13.07.2022as per instruction received from ALDC for bus voltage control. Charging Code: WR/2079		

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400KV SAMI-DEHGAM CKT-2	13-Jul-22	20:31:00	20-Jul-22	8:45:00	0:00:00	0:00:00	0:00:00	156:14:00	Line manually discharged against code no: WR/1404 at 20:31 hrs on dated 13.07.2022 as per instruction received from ALDC for bus voltage control. Charging Code: WR/2078		
400KV SAMI-DEHGAM CKT-1	20-Jul-22	21:56:00	28-Jul-22	8:58:00	0:00:00	0:00:00	0:00:00	179:02:00	Line manually discharged against code no: WR/2186 at 22:51 hrs on dated 20.07.2022as per instruction received from ALDC for bus voltage control. Charging Code: WR/2855		
400KV MUNDRA	20-Jul-22	22:00:00	28-Jul-22	8:55:00	0	0	0	7.454861	Line manually discharged against code no: WR/2187 at 22:00 hrs on dated 20.07.2022as per instruction received from ALDC for bus voltage control. Charging Code: WR/2853		
400KV MUNDRA	28-Jul-22	20:44:00	29-Jul-22	9:35:00	0	0	0	0.535417	Line manually discharged against code no: WR/2939 at 20:44 hrs on dated 28.07.2022as per instruction received from ALDC for bus voltage control. Charging Code: WR/2885		
400KV SAMI	28-Jul-22	20:38:00	29-Jul-22	9:30:00	0	0	0	0.536111	Line manually discharged against code no: WR/2940 at 20:38 hrs on dated 28.07.2022as per instruction received from ALDC for bus voltage control. Charging Code: WR/2886		
400KV SAMI	2-Aug-22	2:08:00	2-Aug-22	6:49:00	0	0	0	0.195139	400KV SAMI-DEHGAM LINE- 1 manually discharged against code no WR/106 at 02:08 hrs. on 02.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/110)		
400KV MUNDRA	2-Aug-22	2:11:00	3-Aug-22	8:42:00	0	0	0	1.271528	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/105 at 02:11 hrs. on 02.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/238)		
400KV SAMI	4-Aug-22	1:31:00	8-Aug-22	9:18:00	0	0	0	4.324306	400KV SAMI-DEHGAM LINE- 2 manually discharged against code no WR/366 at 01:31 hrs. on 02.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/804)		
400KV MUNDRA	4-Aug-22	1:34:00	8-Aug-22	9:28:00	0	0	0	4.329167	400KV SAMI-MUNDRA LINE- 2 manually discharged against code no WR/365 at 01:34 hrs. on 02.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/802)		
400KV SAMI	9-Aug-22	0:36:00	16-Aug-22	18:45:00	0	0	0	7.75625	400KV SAMI-DEHGAM LINE- 2 manually discharged against code no WR/856 at 00:36 hrs. on 09.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/1496)		
400KV MUNDRA	9-Aug-22	0:38:00	16-Aug-22	18:47:00	0	0	0	7.75625	400KV SAMI-MUNDRA LINE- 2 manually discharged against code no WR/855 at 00:38 hrs. on 09.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/1494)		
400KV MUNDRA	16-Aug-22	21:41:00	17-Aug-22	6:51:00	0	0	0	0.381944	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/1520 at 21:41 hrs. on 16.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/1543)		
400KV MUNDRA	18-Aug-22	20:42:00	19-Aug-22	11:26:00	0	0	0	0.613889	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/1790 at 20:42 hrs. on 18.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/1855)		

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400kV SAMI	18-Aug-22	20:45:00	19-Aug-22	11:22:00	0	0	0	0.609028	400KV SAMI-DEHGAM LINE- 1 manually discharged against code no WR/1789 at 20:45 hrs. on 18.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/1856)		
400kV MUNDRA	19-Aug-22	18:07:00	23-Aug-22	0:52:00	0	0	0	3.28125	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/1889 at 18:07 hrs. on 19.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/2186)		
400kV SAMI	19-Aug-22	18:05:00	23-Aug-22	1:23:00	0	0	0	3.304167	400KV SAMI-DEHGAM LINE- 1 manually discharged against code no WR/1888 at 18:05 hrs. on 19.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/2187)		
400kV MUNDRA	23-Aug-22	18:57:00	29-Aug-22	8:53:00	0	0	0	5.580556	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/2253 at 18:57 hrs. on 23.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/2872)		
400kV SAMI	23-Aug-22	18:58:00	29-Aug-22	8:50:00	0	0	0	5.577778	400KV SAMI-DEHGAM LINE- 1 manually discharged against code no WR/2254 at 18:58 hrs. on 23.08.2022 as per instruction received from ALDC for bus voltage control. (Charging Code: WR/2871)		
400kV SAMI	14-Sep-22	19:57:00	21-Sep-22	12:03:00	0	0	0	6.670833	400KV SAMI-DEHGAM LINE- 1 manually discharged against code no WR/1554 at 19:57 hrs. on 14.09.2022 as per instruction received from ALDC for bus voltage control.		
400kV MUNDRA	14-Sep-22	20:02:00	21-Sep-22	11:09:00	0	0	0	6.629861	400KV SAMI-MUNDRA LINE- 1 manually discharged against code no WR/1553 at 20:02 hrs. on 14.09.2022 as per instruction received from ALDC for bus voltage control.		
400kV BUS	14-Sep-22	9:41:00	15-Sep-22	13:01:00	1.13889	0	0	0	Outage taken for Annual Maintenance and Testing work. Discharging code - WR-1482		
400kV BUS 765KV, 240MVAR Line Reactor-1 at Bikaner (PGCIL)	26-Sep-22	10:39:00	30-Sep-22	23:59:00	0	0	0	4.555556	Reactor H/T on Voltage regulation with RLDC code WR-2265. Reactor charged on 02-10-22 at 09:26 Hrs with RLDC code WR-106		
765KV, 240MVAR Line Reactor-1 at Bikaner (PGCIL)	31-Dec-22	11:44:00	31-Dec-22	16:09:00	0:00:00	0:00:00	0:00:00	4:25:00	As per NRLDC instruction for voltage regulation	100	
765KV, 240MVAR Line Reactor-2 at Khetri New (PGCIL)	3-Jan-23	20:20:00	4-Jan-23	16:31:00	20:11:00	0:00:00	0:00:00	0:00:00	OUTAGE TAKEN FOR SF6 GAS REFILLING AND DELAY IN CHARGING DUE TO B-PH ISOLATOR ALINGNMENT ISSUE.		
765KV, 240MVAR Line Reactor-1 at Khetri New (PGCIL)	7-Jan-23	10:26:00	7-Jan-23	14:21:00	3:55:00	0:00:00	0:00:00	0:00:00	SF6 gas low level alarm raised and CB 713R-52 of Line reactor at 765KV Khetri S/S tripped.		

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765kV Bikaner (PGCIL) - Khetri New (PGCIL) Ckt-1	14-Jan-23	14:55:00	14-Jan-23	15:32:00	0:00:00	0:00:00	0:00:00	0:37:00	Over voltage protection operated.	99.109
765kV Bikaner (PGCIL) - Khetri New (PGCIL) Ckt-1	26-Jan-23	8:58:00	26-Jan-23	10:47:00	1:49:00	0:00:00	0:00:00	0:00:00	Line was tripped due to B-ph to earth fault and Line reactor was also tripped along with line. B-N fault, Fault current 2.35kA, Dist. 234.2km from Bikaner(PG) & Fault current 9.96kA, Dist. 4.72km from Khetri.	
765kV, 240MVAR Line Reactor-1 at Bikaner (PGCIL)	9-Feb-23	11:28:00	9-Feb-23	15:42:00	0:00:00	0:00:00	0:00:00	4:14:00	As per NRLDC instruction for voltage regulation.	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