

**Element wise Outage Details of Chattisgarh WR 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	
400/220kV ICT-2 at Morena SS 400KV	5-Apr-22	8:35:00	5-Apr-22	17:46:00	9:11:00	0:00:00	0:00:00	0:00:00	Outage taken for annual maintenance work.	99.89
Vindhyachal Stage (IV) NTPC line - Vindhyachal Pooling Station Ckt-1	10-Apr-22	15:45:00	10-Apr-22	17:11:00	0:00:00	0:00:00	0:00:00	1:26:00	Line tripped on R-ph to earth fault, Zone-1 distance protection, 7.17 Kms from Vindhyachal PS. Fire spread out due to unknown reason near tower no.70 to 76 and due to that line tripped.	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Jul-22	0:00:00	15-Jul-22	16:53:00	0:00:00	0:00:00	352:53:00	0:00:00	To control loadings on outgoing lines of Pune. WRLDC Code: 06/3537, 07/1590 NLDC Code: 06/2068, 07/791	
400/220kV ICT-1 at Morena SS	6-Jul-22	9:12:00	6-Jul-22	16:33:00	7:21:00	0:00:00	0:00:00	0:00:00	Outage taken for Annual maintenance work. Discharging code- WR -538 Charging Code- WR-574	
765kV Raigarh (Korta) - Champa (Pool) Line	8-Jul-22	11:01:00	8-Jul-22	17:23:00	6:22:00	0:00:00	0:00:00	0:00:00	For replacement of broken insulator in Tower No. Tower No. 260 (Left side bottom Y - Phase . Discharging code- WR -811, NLDC- 397 Charging Code- WR-850 & NL- 424	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	15-Jul-22	22:18:00	31-Jul-22	23:59:00	0:00:00	0:00:00	385:41:00	0:00:00	To control line loading on 400 kV Pune Kalwa and Pune Kharghar (LR to be converted as BR at both ends).WRLDC Code: 07/1646 NLDC Code: 07/814.	99.79
400kV Bus Reactor at Morena SS	17-Jul-22	22:37:00	20-Jul-22	16:40:00	0:00:00	0:00:00	0:00:00	66:03:00	AR successful due to flashover issue at PGCIL Shikrapur SS.	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Aug-22	0:00:00	13-Aug-22	10:50:00	0:00:00	0:00:00	298:50:00	0:00:00	To control line loading on 400 kV Pune Kalwa and Pune Kharghar (LR to be converted as BR at both ends). WRLDC Code: 07/1646, 08/1241 NLDC Code: 07/814, 08/673.	
765kV Champa (Pool) - Dharamjaygarh Line	8-Aug-22	16:14:00	9-Aug-22	1:55:00	0:00:00	9:41:00	0:00:00	0:00:00	Tripped due to R ph CT blast of main bay of 765 KV Champa Dharamjaygarh 2 at Champa PGCIL	
400kV Bus Reactor at Morena SS	10-Aug-22	23:00:00	14-Aug-22	13:07:00	0:00:00	0:00:00	0:00:00	86:07:00	For Grid Voltage regulation Discharging code- WR - 1004 Charging Code- WR - 1328	

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765kV - LILO - Pune (GIS) - Arungabad Ckt-2	15-Aug-22	22:18:00	31-Aug-22	23:59:00	0:00:00	0:00:00	385:41:00	0:00:00	To open on HV/Manually opened due to High Voltage. WRLDC Code: 08/1358 NLDC Code: 08/755.	100
400kV Vindhyachal Stage (IV) NTPC line - Vindhyachal Pooling Station Ckt-4	26-Aug-22	11:03:00	26-Aug-22	17:55:00	0:00:00	6:52:00	0:00:00	0:00:00	For Line equipment AMP works at Vindhyachal PS. Shutdown taken by PGCIL. Discharging code- WR - 2593 Charging Code- WR-2643	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Sep-22	0:00:00	3-Sep-22	23:37:00	0:00:00	0:00:00	0:00:00	71:37:00	To open on HV/Manually opened due to High Voltage).	99.91
765kV Raigarh (Korta) - Champa (Pool) Line	3-Sep-22	16:25:46	3-Sep-22	17:40:00	0:00:00	1:14:14	0:00:00	0:00:00	After A/R successful in Y Phase to Ground Fault. Line was charged at Champa PGCIL end & due to Protection failure at Raigarh PGCIL end line got tripped.	
765kV Champa (Pool) - Dharamjaygarh Line	5-Sep-22	10:28:00	5-Sep-22	19:16:00	8:48:00	0:00:00	0:00:00	0:00:00	For Emergency Insulator Replacement activity at T.no. 66, forced outage was taken.	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	9-Sep-22	21:44:00	24-Sep-22	19:41:00	0:00:00	0:00:00	0:00:00	357:57:00	MOHV and convert L/R as B/R at both ends/Manually opened due to High Voltage.	
400kV Bus Reactor at Morena SS	10-Sep-22	22:10:00	30-Sep-22	23:59:00	0:00:00	0:00:00	481:49:00	0:00:00	For grid voltage regulation	
400/220kV ICT-2 at Morena SS	18-Sep-22	10:07:00	18-Sep-22	11:08:00	0:00:00	1:01:00	0:00:00	0:00:00	Tripped due to accidently dishcrage rod fallen on ICT -3,220kv bay - 211which is connected to 220KV BUS-1. 220kv bus-1 got tripped.	
400/220kV ICT-1 at Morena SS	18-Sep-22	10:07:00	18-Sep-22	10:59:00	0:00:00	0:52:00	0:00:00	0:00:00	Tripped due to accidently dishcrage rod fallen on ICT -3,220kv bay-211 which is connected to 220KV BUS-1. 220kv bus-1 got tripped.	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	25-Sep-22	9:04:00	30-Sep-22	0:00:00	0:00:00	0:00:00	0:00:00	110:56:00	Line loading control of Pune-Kalwa line and Pune-Kharghar and Kala-Kudus Line.	99.91

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	Date	Time	Date	Time	Inter-State Transmission LICENCE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage	
400kV Bus Reactor at Morena SS	1-Oct-22	0:00:00	2-Oct-22	13:37:00	0:00:00	0:00:00	37:37:00	0:00:00	For grid voltage regulation Dischargeing Code - WR-1150(Discharged on 10.09.2022) Charging Code - WR- 116	100
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Oct-22	0:00:00	31-Oct-22	23:59:00	0:00:00	0:00:00	0:00:00	743:59:00	Line loading control of Pune-Kalwa line and Pune-Kharghar and Kala-Kudus Line. WRLDC Opening Code- 09/2562, NLDC Opening Code-09/1938	
765kV Champa (Pool) - Dharamjaygarh Line	19-Oct-22	10:55:00	19-Oct-22	19:42:00	0:00:00	8:47:00	0:00:00	0:00:00	For annual maintenance work of line bay equipment taken by PGCIL Champa SS. Discharging Code- WR -2307, NLDC- 2000 Charging Code- WR-2382 & NL-2056	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Nov-22	0:00:00	20-Nov-22	12:25:00	0:00:00	0:00:00	468:25:00	0:00:00	Line loading control of Pune-Kalwa line and Pune-Kharghar and Kala-Kudus Line. Discharging Code:WRLDC 09/2562, NLDC 09/1938, Charging Code: WRLDC 3538,NLDC 2688	
400kV Bus Reactor at Morena SS	3-Nov-22	6:41:00	30-Nov-22	1:01:00	0:00:00	0:00:00	642:20:00	0:00:00	For Grid voltage regulation. Discharging code: WR-329 Charging Code: WR-5029	
765kV Raigarh (Korta) - Champa (Pool) Line	16-Nov-22	12:54:00	16-Nov-22	20:31:00	0:00:00	7:37:00	0:00:00	0:00:00	Line outage taken by M/s PGCIL Champa end for Line reactor maintenance work. Discharging Code: WR-2881,NLDC- 2111 Charging Code: WR-2981, NLDC- 2182	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	20-Nov-22	22:06:00	1-Dec-22	0:00:00	0:00:00	0:00:00	241:54:00	0:00:00	MOHV & CONVERT L/R AS B/R AT BOTH ENDS / Manually opened due to High Voltage. Discharging Code: WRLDC 11/ NLDC 11/ Charging Code: WRLDC NLDC	
765kV Sasan UMPP - Vindhyachal Pooling Station	22-Nov-22	10:37:00	22-Nov-22	13:02:00	2:25:00	0:00:00	0:00:00	0:00:00	For Annual maintenance activity of Line. WR- 3840,NLDC- 2979 Discharging Code- Charging Code- WR-3862,NLDC- 2996	
400kV Vindhyachal Stage (IV) NTPC line - Vindhyachal Pooling Station Ckt-2	23-Nov-22	9:13:00	23-Nov-22	18:42:00	9:29:00	0:00:00	0:00:00	0:00:00	For Annual maintenance activity of Line. WR- 3999 Discharging Code- Charging Code- WR-4088	

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400KV Vindhyachal Stage (IV) NTPC line - Vindhyachal Pooling Station Ckt-1	24-Nov-22	9:02:00	24-Nov-22	19:12:00	10:10:00	0:00:00	0:00:00	0:00:00	For Annual maintenance activity of Line. Discharging Code- WR- 4184 Charging Code- WR- 4284	99.89	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Dec-22	0:00:00	25-Dec-22	23:18:00	0:00:00	0:00:00	599:18:00	0:00:00	MOHV & CONVERT L/R AS B/R AT BOTH ENDS / Manually opened due to High Voltage. WRLDC Opening Code- 11/3592 NLDC Opening Code- 11/2756, WRLDC charging code-12/4019, NLDC Charging Code-12/4304		
765kV Sasan UMPP - Vindhyachal Pooling Station Line	7-Dec-22	11:28:00	7-Dec-22	19:27:00	0:00:00	7:59:00	0:00:00	0:00:00	Line outage taken by M/s PGCIL for Line equipment maintenance work. Discharging Code- WR-984,NLDC- 972 Charging Code- WR-1086, NLDC- 1034		
400kV Bus Reactor at Morena SS	10-Dec-22	9:25:00	25-Dec-22	1:15:00	0:00:00	0:00:00	351:50:00	0:00:00	For Grid voltage regulation. Dishcharging code- WR-1583 Charging Code- WR-3916		
765kV - LILO - Padge - Pune (GIS) Ckt-1	17-Dec-22	1:41:00	17-Dec-22	4:21:00	0:00:00	2:40:00	0:00:00	0:00:00	Tripped on R-phase to Earth fault while charging of ICT-2 at padghe Pune: 196 km,3.5 kA Padghe: 0km,5.9 kA WRLDC charging code-2703, NLDC Charging Code-2688		
765kV Raigarh (Korta) - Champa (Pool) Line	23-Dec-22	10:28:00	23-Dec-22	19:33:00	9:05:00	0:00:00	0:00:00	0:00:00	Emergency outage taken for replacement of broken insulator. Discharging Code- WR- 3667,NLDC- 3867 Charging Code- WR- 3741,NLDC- 3959		
765kV - LILO - Padge - Pune (GIS) Ckt-1	25-Dec-22	22:34:00	27-Dec-22	11:46:00	0:00:00	37:12:00	0:00:00	0:00:00	ESD: To repair Tie CB R-pole (705) at Padghe GIS WRLDC Opening code-12/4028 NLDC Opening Code- 12/4306 WRLDC Charging code-12/4257,NLDC Charging code-12/4609		
765kV Champa (Pool) - Dharamjaygarh Line	25-Dec-22	10:19:00	25-Dec-22	14:27:00	4:08:00	0:00:00	0:00:00	0:00:00	Emergency outage taken to carryout the tightens/replace the Cone/ B&N in Jumper. Discharging Code- WR- 3961,NLDC- 4235 Charging Code- WR- 3980,NLDC- 4251		
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	27-Dec-22	13:13:00	28-Dec-22	9:58:00	0:00:00	0:00:00	20:45:00	0:00:00	MOHV & CONVERT L/R AS B/R AT BOTH ENDS / Manually opened due to High Voltage. Discharging code: WRLDC Code- 12/4280,NLDC Code-12/4631 Charging Code: WRLDC code-12/4374 NLDC code-12/4759		

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	Date	Time	Date	Time	Inter-State Transmission LICENCE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage	
765kV - LILO - Padge - Pune (GIS) Ckt-1	28-Dec-22	8:04:00	28-Dec-22	14:38:00	0:00:00	6:34:00	0:00:00	0:00:00	Emergency shutdown taken by PGCIL to attend polymer insulator broken. WRLDC Opening code-12/4362, NLDC Opening Code-12/4749WRLDC charging code-12/4426, NLDC Charging Code-12/4833	99.76
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	28-Dec-22	14:34:00	1-Jan-23	0:00:00	0:00:00	0:00:00	81:26:00	0:00:00	To control loading on pune connected lines and convert L/R as B/R at both ends WRLDC Opening Code- 12/4428 NLDC Opening Code-12/4835, WRLDC charging code-, NLDC Charging Code-	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Jan-23	0:00:00	10-Jan-23	4:59:00	0:00:00	0:00:00	0:00:00	220:59:00	To control loading on pune connected lines and convert L/R as B/r at both ends WRLDC Opening Code- 12/4428 NLDC Opening Code-12/4835, WRLDC charging code-1/1189, NLDC Charging Code-1/1656	100
765kV - LILO - Padge - Pune (GIS) Ckt-1	11-Jan-23	6:25:00	11-Jan-23	18:59:00	0:00:00	12:34:00	0:00:00	0:00:00	ESD taken by PGCIL to attend Polymer insulator in Y-phase found broken at Loc No. 589. WRLDC Opening Code- 1/ 1367NLDC Opening Code-1/1858, WRLDC charging code-1/1480, NLDC Charging Code-1/2021	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	11-Jan-23	21:58:00	16-Jan-23	9:20:00	0:00:00	0:00:00	0:00:00	107:22:00	Voltage Regulation. SLR to be converted as B/R/Voltage Regulation WRLDC Opening Code- 1/1507 NLDC Opening Code-1/2041, WRLDC charging code-1/2107, NLDC Charging Code-1/2806	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	16-Jan-23	18:29:00	24-Jan-23	10:22:00	0:00:00	0:00:00	0:00:00	183:53:00	To control loading on Pune connected lines and convert L/R as B/r at both ends WRLDC Opening Code- 1/2222 NLDC Opening Code-1/2929, WRLDC charging code-1/3389, NLDC Charging Code-1/4253	
400kV Gwalior - Morena SS Ckt-2	25-Jan-23	7:29:00	25-Jan-23	7:29:00	0:00:00	0:00:00	0:00:00	0:00:00	Auto reclose successful at Morena SS end but CB tripped at Gwalior (PGCIL) end and line was charged at no load. Ss.Line was synchronised at 12:40hrs from PGCIL end.	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	25-Jan-23	12:44:00	30-Jan-23	8:25:00	0:00:00	0:00:00	0:00:00	115:41:00	To control loading on Pune connected lines and convert L/R as B/r at both ends WRLDC Opening Code- 1/3576 NLDC Opening Code-1/4478, WRLDC charging code-1/4123, NLDC Charging Code-1/5144	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	31-Jan-23	7:13:00	31-Jan-23	23:59:00	0:00:00	0:00:00	0:00:00	16:46:00	To control loading on 400 kV Pune-Chakan & 400 kV Pune-GIS-Pune-PG 4 ckt's WRLDC Opening Code- 1/4248 NLDC Opening Code-1/5285, WRLDC charging code-1/, NLDC Charging Code-1/	

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765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Feb-23	0:00:00	20-Feb-23	15:13:00	0:00:00	0:00:00	0:00:00	471:13:00	To control loading on 400 kV Pune-Chakan & 400 kV Pune-GIS-Pune-PG 4 ckts WRLDC Opening Code- 1/4248 NLDC Opening Code-1/5285, WRLDC charging code-2/2789, NLDC Charging Code-2/2577	100	
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	23-Feb-23	11:20:00	28-Feb-23	23:59:00	0:00:00	0:00:00	0:00:00	132:39:00	To control loading on Pune Connected lines. WRLDC Opening Code-2/3265 NLDC Opening Code-2/2992, WRLDC charging code-2/, NLDC Charging Code-2/		
765kV - LILO - Pune (GIS) - Arungabad Ckt-2	1-Mar-23	0:00:00	31-Mar-23	23:59:00	0:00:00	0:00:00	0:00:00	743:59:00	To control loading on Pune Connected lines. WRLDC Opening Code-2/3265 NLDC Opening Code-2/2992, WRLDC charging code-2/, NLDC Charging Code-2/	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