

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

Element wise Outage Details of Western Transco Power Limited for FY 2022 - 23

Element Name	Outage		Restoration		Duration of Outage Attributable to						% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage		
400 kV LILO - Talegaon-Chakan	8-Apr-22	23:27:00	9-Apr-22	3:00:00	0:00:00	3:33:00	0:00:00	0:00:00	Shutdown taken by PGCIL Talegaon for CT ratio checking at 400KV PG Talegaon-Chakan line at Pune		99.96
400 kV Solapur-Parli-II	12-Apr-22	8:17:00	12-Apr-22	19:21:00	0:00:00	11:04:00	0:00:00	0:00:00	Shutdown taken by PGCIL (Parli) for line side equipment AMP work & relay testing work at Parli PG.		
400 kV Pune(GIS)-Aurangabad-I	19-Apr-22	16:03:00	19-Apr-22	23:16:00	0:00:00	7:13:00	0:00:00	0:00:00	Emergency shutdown taken to attend 106 deg. hotspot at line isolator by PGCIL at Aurangabad SS.		
400 kV LILO-Solapur-Lamboti	21-Apr-22	15:17:00	21-Apr-22	16:10:00	0:00:00	0:53:00	0:00:00	0:00:00	Tripped on Bph-E fault from Solapur MH end. Line tripped only from Lamboti (MH) due to issue in breaker at Lamboti (MH). AR operated at Solapur PGCIL end.		
400 kV LILO-Talegaon-Kharghar	25-Apr-22	3:38:00	25-Apr-22	8:06:00	0:00:00	4:28:00	0:00:00	0:00:00	ESD taken by MSETCL Kharghar to attend hotspot.		
400 kV Pune(GIS)-Aurangabad-II	28-Apr-22	17:10:00	28-Apr-22	19:34:00	0:00:00	0:00:00	2:24:00	0:00:00	Emergency Outage taken to remove drip irrigation pipes wrapped on conductor at tower No: 203.		
400 kV Pune(GIS)-Aurangabad-I	27-May-22	16:21:00	27-May-22	18:23:00	0:00:00	0:00:00	0:00:00	2:02:00	Line tripped on R phase to earth fault due to burning of sugercane below line between towers 425 & 426.		99.83
400 kV LILO-Solapur-Lamboti	30-May-22	13:47:00	30-May-22	19:20:00	5:33:00	0:00:00	0:00:00	0:00:00	Planned annual maintenance by WTPL.		
400 kV Pune(GIS)-Pune-I	9-Jun-22	6:32:00	9-Jun-22	14:31:00	7:59:00	0:00:00	0:00:00	0:00:00	Line tripped due to insulator breakdown at TN-721.		
400 kV Parli-Pune(GIS)-I	23-Jun-22	11:08:00	23-Jun-22	19:37:00	8:29:00	0:00:00	0:00:00	0:00:00	Line tripped due to insulator breakdown at TN-605.		
400 kV Parli-Pune(GIS)-I	1-Jul-22	16:10:00	1-Jul-22	21:32:00	0:00:00	5:22:00	0:00:00	0:00:00	Emergency Shutdown taken by PGCIL shikrapur TL for jumper rectification work at location Multi ckt No. TMC17 WRLDC Opening Code:07/61, Closing code: 07/83.		99.96
400 kV Pune(GIS)-Aurangabad-II	1-Jul-22	0:00:00	18-Jul-22	14:55:00	0:00:00	0:00:00	0:00:00	422:55:00	To Control Loading on Pune Chakan line. WRLDC Opening Code: 06/3796, Closing code: 07/1875.		
400 kV Pune(GIS)-Pune-II	2-Jul-22	11:25:00	2-Jul-22	20:49:00	0:00:00	9:24:00	0:00:00	0:00:00	For AMP and relay testing works by Talegaon PG. WRLDC Opening Code:07/142, Closing code: 07/182.		

Element Name	Outage		Restoration		Duration of Outage Attributable to					% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage	
400 kV LILO-Talegaon-Kalwa	4-Jul-22	22:12:00	5-Jul-22	1:13:00	0:00:00	3:01:00	0:00:00	0:00:00	Emergency Shutdown taken by MSETCL Kalwa to attend hotspot at 3 towers. WRLDC Opening Code: 07/371, Closing Code: 07/394.	99.75
400 kV Pune(GIS)-Pune-III	8-Jul-22	12:32:00	8-Jul-22	20:23:00	0:00:00	7:51:00	0:00:00	0:00:00	Annual Maintenance work of Line bay equipment by PGCIL Shikrapur. WRLDC Opening Code: 07/821, Closing Code: 07/870.	
400 kV LILO-Talegaon-Kalwa	10-Jul-22	6:01:00	10-Jul-22	9:48:00	0:00:00	3:47:00	0:00:00	0:00:00	ESD by Kalwa MSETCL to attend hot spot at wave trap jumper top and bottom pad. WRLDC Opening Code:07/982, Closing Code: 07/993.	
400 kV Solapur-Alkud	12-Jul-22	11:26:00	12-Jul-22	20:28:00	0:00:00	9:02:00	0:00:00	0:00:00	Quarterly Maintenance & Diagnostic testing Work of Line bay equipment by Alkud MSETCL. WRLDC Opening Code:07/1234, Closing Code: 07/1278.	
400 kV LILO-Solapur-Lamboti	15-Jul-22	10:23:00	15-Jul-22	18:10:00	0:00:00	7:47:00	0:00:00	0:00:00	Outage taken by MSETCL for hardware tightening work in line. WRLDC Opening Code:07/1555 Closing Code: 07/1604.	
400 kV Pune(GIS)-Aurangabad-I	19-Jul-22	12:03:00	20-Jul-22	10:52:00	0:00:00	22:49:00	0:00:00	0:00:00	To control loading of 400 kV Pune-Kalwa and 400 kV Pune-Khargar WRLDC Opening Code:07/1995 Closing Code: 07/2102.	
400 kV LILO - Solapur-Karad	20-Jul-22	8:56:00	20-Jul-22	20:08:00	0:00:00	11:12:00	0:00:00	0:00:00	Line side equipments AMP by PGCIL Solapur. WRLDC Opening Code:07/2081 Closing Code: 07/2168.	
400 kV Solapur-Parli-I	21-Jul-22	14:56:00	21-Jul-22	18:03:00	0:00:00	3:07:00	0:00:00	0:00:00	ESD to to attend CVT Fuse fail issue at Solapur SS. WRLDC Opening code: 07/2257, Closing code: 07/2279.	
400 kV Solapur-Kolhapur-II	21-Jul-22	9:34:00	21-Jul-22	20:34:00	0:00:00	11:00:00	0:00:00	0:00:00	Line side equipments AMP by Solapur(PG). WRLDC Opening Code:07/2212 Closing Code: 07/2308.	
400 kV Pune	25-Jul-22	15:15:00	25-Jul-22	20:53:00	5:38:00	0:00:00	0:00:00	0:00:00	Annual maintenance work of the line by WTPL. WRLDC Opening Code: 07/2588, Closing code: 07/2614.	
400 kV Pune	26-Jul-22	11:09:00	31-Jul-22	23:59:00	0:00:00	132:50:00	0:00:00	0:00:00	To control loading of 400 kV Pune-Chakan line.Outage considered upto 31st July 2022. Line is not charged yet. WRLDC Opening Code: 07/2661.	
400 kV Pune	31-Jul-22	11:33:00	31-Jul-22	20:02:00	8:29:00	0:00:00	0:00:00	0:00:00	Annual maintenance work of the line by WTPL. WRLDC Opening Code: 07/3143, Closing Code: 07/3169.	
400 kV Pune	1-Aug-22	0:00:00	4-Aug-22	23:15:00	0:00:00	0:00:00	95:15:00	0:00:00	To control loading of 400 kV Pune-Chakan line. WRLDC Opening Code: 07/2661, 08/493.	
400 kV Solapur	2-Aug-22	13:08:00	2-Aug-22	23:01:00	0:00:00	9:53:00	0:00:00	0:00:00	Line side equipment AMP work PGCIL Kolhapur. WRLDC Opening Code:08/151 Closing code: 08/195.	
400 kV LILO	3-Aug-22	19:35:00	3-Aug-22	23:33:00	0:00:00	0:00:00	3:58:00	0:00:00	Emergency Management to control overdrawal of Maharashtra WRLDC Opening Code:08/329, Closing code: 08/360.	
400 kV Pune	5-Aug-22	0:06:00	19-Aug-22	15:29:00	0:00:00	0:00:00	351:23:00	0:00:00	To control loading on 400KV Pune-Chakan line. WRLDC Opening Code: 08/496, Closing Code: 08/1873.	

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	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage	
400 kV LILC	14-Aug-22	8:42:00	14-Aug-22	19:03:00	0:00:00	10:21:00	0:00:00	0:00:00	Additional Jumpering work by fire wedge connector at Kalwa SS by MSETCL.. WRLDC Opening Code: 08/1307, Closing Code: 08/1347.	99.74
400 kV LILC	15-Aug-22	9:08:00	15-Aug-22	19:48:00	0:00:00	10:40:00	0:00:00	0:00:00	Additional Jumpering work by fire wedge connector at Kalwa SS MSETCL. WRLDC Opening Code: 08/1374, Closing Code: 08/1418.	
400 kV Parli	19-Aug-22	6:29:00	19-Aug-22	20:28:00	13:59:00	0:00:00	0:00:00	0:00:00	Tripped on R-h to E/F Parli end-FD-102.58km, FC- 4.07 kA. Due to insulator broken at TN 275. WRLDC Closing Code: 08/1910.	
400 kV Solapur	22-Aug-22	9:31:00	23-Aug-22	2:08:00	0:00:00	16:37:00	0:00:00	0:00:00	400kV TBC B bus isolator repair work at MSETCL Kolhapur. Outage required alongwith Bus-2 and 400kV Karad - Kolhapur(M) ckt - 2 WRLDC Opening Code:08/2087 Closing Code: 08/2188.	
400 kV LILC	24-Aug-22	23:23:00	24-Aug-22	23:57:00	0:00:00	0:34:00	0:00:00	0:00:00	ESD for replacement of Yph CVT at Pune Talegaon WRLDC Opening Code:08/2374 Closing Code: 08/2377.	
400 kV LILC	25-Aug-22	2:05:00	25-Aug-22	2:06:00	0:00:00	0:01:00	0:00:00	0:00:00	Line A/R on Y-E fault. Pune end-4.99 kA, 80.2 km in MSETCL portion . WTPL portion only upto 0.324KM from Pune end. WRLDC Opening Code:07/2081 Closing Code: 07/2168.	
400 kV LILC	25-Aug-22	23:32:00	26-Aug-22	7:01:00	0:00:00	7:29:00	0:00:00	0:00:00	ESD for replacement of Yph CVT at Pune Talegaon (Mumbai ATC would be revised to 1195 MW) WRLDC Opening Code:08/2539 Closing Code: 08/2564.	
400 kV Pune	29-Aug-22	10:22:00	29-Aug-22	19:41:00	0:00:00	9:19:00	0:00:00	0:00:00	For Line Bays, L/R & Line AMP works at PGCIL Aurangabad, Dia to be kept in open condition at both ends. A/R to be keep in non auto mode for 400KV-AURANGABAD-M (WALUJ)-PUNE-PG-1 & 400KV-PARLI-PUNE-1, 2 for safety precautions. WRLDC Opening code: 08/2893, Closing code: 08/2967.	99.74
400 kV Pune	1-Sep-22	11:59:00	2-Sep-22	14:47:00	0:00:00	0:00:00	0:00:00	26:48:00	To control loading on Mumbai LINES	
400 kV Pune	2-Sep-22	15:01:00	2-Sep-22	18:15:00	0:00:00	3:14:00	0:00:00	0:00:00	ESD To attend Hot Spot on 89C Aux. Bus Isolator. Power Grid .Aurangabad	
400 kV Pune	2-Sep-22	18:19:00	3-Sep-22	13:00:00	0:00:00	0:00:00	0:00:00	18:41:00	To Control line loading of Mumbai System	
400 kV Pune	4-Sep-22	18:38:00	22-Sep-22	10:10:00	423:32:00	0:00:00	0:00:00	0:00:00	Line tripped on Y-ph to E/F, 8.21 Km from Aurangabad end. Applied for permit to work at 06:55 AM next day as test charge not withstood.	
400 kV Pune	6-Sep-22	22:54:00	7-Sep-22	10:11:00	11:17:00	0:00:00	0:00:00	0:00:00	Line tripped due to insulator failure at tower No: 49 (R phase.	
400 kV LILC	8-Sep-22	1:43:00	8-Sep-22	5:37:00	0:00:00	3:54:00	0:00:00	0:00:00	ESD to attend hotspot on R-ph Wave trap clamp & R-ph Bus-A Isolator clamp at Kharghar end.	
400 kV LILC	10-Sep-22	20:12:00	11-Sep-22	2:33:00	0:00:00	6:21:00	0:00:00	0:00:00	For AMP and Relay testing works.Talegaon End //SI.No.162// Rescheduled from 04/09/2022	
400 kV Alkand	13-Sep-22	10:26:00	13-Sep-22	20:04:00	0:00:00	9:38:00	0:00:00	0:00:00	QM Work.	
400 kV Pune	14-Sep-22	11:52:00	14-Sep-22	17:32:00	0:00:00	5:40:00	0:00:00	0:00:00	ESD taken by PGCIL talegaon to attend snapped dropper Conductor of Wavetrap in Rph.QM Work.	
400 kV Solapur	17-Sep-22	11:07:00	17-Sep-22	19:52:00	0:00:00	8:45:00	0:00:00	0:00:00	shutdown taken by PGCIL Kolhapur for Line Bay AMP works & relay testing works.	
400 kV LILC	17-Sep-22	9:22:00	17-Sep-22	19:18:00	0:00:00	9:56:00	0:00:00	0:00:00	shutdown taken by MSETCL for addition jumpuring work by fire wedge connecto	
400 kV LILC	18-Sep-22	10:06:00	18-Sep-22	18:39:00	0:00:00	8:33:00	0:00:00	0:00:00	Shutdown taken by MSETCL for addition jumpuring work by fire wedge connector	

Element Name	Outage		Restoration		Duration of Outage Attributable to					% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILAB LE	Reason of Outage	
400 kV Soli	20-Sep-22	12:10:00	20-Sep-22	21:50:00	0:00:00	9:40:00	0:00:00	0:00:00	Shutdown taken by MSETCL Alkud for QM Work.	99.74
400 kV Pune	27-Sep-22	10:25:00	30-Sep-22	0:00:00	0:00:00	61:35:00	0:00:00	0:00:00	Power Regulation :- To control loading of 400 kV Pune-Chakan.The line is not charged till 30th sept.2022.	
400 kV LILC	28-Sep-22	12:17:00	28-Sep-22	17:04:00	0:00:00	4:47:00	0:00:00	0:00:00	Shutdown taken by MSETCL Jejur for Quarterly Maintenance.	
400 kV LILC	30-Sep-22	16:58:00	30-Sep-22	21:09:00	0:00:00	4:11:00	0:00:00	0:00:00	Shutdown taken by MSETCL Lonikhand for replacement work of faulty insulator string at tower location 37 R ph	
400 kV Pune(GIS)-Aurangabad-I	1-Oct-22	0:00:00	11-Oct-22	12:44:00	0:00:00	0:00:00	0:00:00	252:44:00	Power Regulation :- To control loading of 400 kV Pune-Chakan WRLDC Opening Code: 09/2783 WRLDC charging code - 10/1145	
400 kV LILC-Talegaon-Kalwa	2-Oct-22	7:37:00	2-Oct-22	19:24:00	0:00:00	11:47:00	0:00:00	0:00:00	Shutdown taken by MSETCL Kalwa for addition jumpuring work by using fire wedge type connector WRLDC Opening Code: 10/98 WRLDC charging code - 10/131	
400 kV LILC-Talegaon-Kharghar	9-Oct-22	6:48:00	9-Oct-22	21:05:00	0:00:00	14:17:00	0:00:00	0:00:00	Shutdown taken by MSETCL Kharghar for addition jumpuring work by using fire wedge type connector WRLDC Opening Code: 10/ 868WRLDC charging code - 10/917	
400 kV Pune(GIS)-Pune-IV	9-Oct-22	10:00:00	9-Oct-22	19:21:00	0:00:00	9:21:00	0:00:00	0:00:00	Shutdown taken by PGCIL Talegaon,rescheduled from 04.12.19, OCC SI. No.174. Outage could not be availed due to on going outage of 400KV Bus- 384. WRLDC Opening Code: 10/887 WRLDC charging code - 10/911	
400 kV Pune(GIS)-Pune-I	10-Oct-22	21:16:00	11-Oct-22	10:39:00	13:23:00	0:00:00	0:00:00	0:00:00	Tripped on Y phase to earth fault due to failure of polymer insulator. Distance from Pune (Talegaon)- 3 km, fault current 21.06 kA. suspension type polymer insulator found brokenand replace broken insulator of CKT-1 . WRLDC charging code-10/1118	
400 kV Pune(GIS)-Pune-II	11-Oct-22	4:14:00	11-Oct-22	10:37:00	6:23:00	0:00:00	0:00:00	0:00:00	Emergency outage taken by WTPL to replace broken insulator of Pune (GIS)- Pune CKT-1. PTW code-10/1072. WRLDC Charging code-10/1098	
400 kV Pune(GIS)-Aurangabad-II	11-Oct-22	8:52:00	19-Oct-22	6:25:00	0:00:00	0:00:00	0:00:00	189:33:00	To control the loading of 400 kV Pune - Pune GIS circuit. WRLDC opening code-10/1093, WRLDC Charging Code-10/2253	
400 kV LILC-Talegaon-Kharghar	15-Oct-22	13:06:00	15-Oct-22	18:17:00	0:00:00	5:11:00	0:00:00	0:00:00	Line tripped on B-ph fault, A/R attempted but unsuccessful, SOTF operated. Fault is in MSETCL portion.WTPL line lenth is 0.320km from Talegaon substation. WRLDC charging code - 10/1792	
400 kV Pune(GIS)-Pune-IV	17-Oct-22	18:50:00	17-Oct-22	19:09:00	0:00:00	0:19:00	0:00:00	0:00:00	B phase to earth fault. AR successful at Pune PG end but tripped at Pune(GIS) end. WRLDC charging code - 10/2055	
400 kV Pune(GIS)-Pune-III	18-Oct-22	13:23:00	19-Oct-22	1:07:00	11:44:00	0:00:00	0:00:00	0:00:00	Line tripped on R phase to Y phase fault. Due to jumper opened at tower No:2 near Talegaon sub station. WRLDC charging code-10/2244	
400 kV Pune(GIS)-Aurangabad-I	18-Oct-22	13:49:00	19-Oct-22	16:53:00	0:00:00	0:00:00	0:00:00	27:04:00	To control loading on Pune-Pune Q/C (to be opened from GIS end only) WRLDC Opening Code: 10/2152 WRLDC charging code - 10/2253	

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	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage		
400 kV Pune(GIS)-Aurangabad-II	19-Oct-22	14:42:00	19-Oct-22	23:08:00	0:00:00	0:00:00	0:00:00	8:26:00	To control loading on Pune-Pune Q/C (to be opened from GIS end only) WRLDC Opening Code: 10/ 2325WRLDC charging code - 10/2407	99.84	
400 kV Pune(GIS)-Aurangabad-I	20-Oct-22	10:27:00	31-Oct-22	23:59:00	0:00:00	0:00:00	0:00:00	277:32:00	To control loading on Pune-Pune Q/C (to be opened from GIS end only).		
400 kV LILO-Talegaon-Kalwa	23-Oct-22	13:23:00	23-Oct-22	16:30:00	0:00:00	3:07:00	0:00:00	0:00:00	Shutdown taken by MSETCL Kalwa for addition jumpuring work by using fire wedge type connector. WRLDC Opening Code: 10/2797 WRLDC charging code - 10/2805		
400 kV LILO-Talegaon-Kharghar	23-Oct-22	6:26:00	23-Oct-22	12:07:00	0:00:00	5:41:00	0:00:00	0:00:00	Shutdown taken by MSETCL Kharghar for Addition jumpuring work by using fire wedge type connector. WRLDC Opening code - 10/2774, WRLDC Charging Code-10/2794		
400 kV LILO-Talegaon-Kharghar	26-Oct-22	11:46:00	26-Oct-22	16:02:00	0:00:00	4:16:00	0:00:00	0:00:00	Emergency shutdown taken by PGCIL Talegaon to attend R ph Twin Moose - one detached conductor restoration by replacing Tension String Insulator Clamp between Gantry to wave trap dropper span. WRLDC Opening Code-10/3066, WRLDC Charging Code-10/3078		
400 kV Solapur-Parli-II	29-Oct-22	10:49:00	29-Oct-22	17:09:00	6:20:00	0:00:00	0:00:00	0:00:00	Shutdown taken by WTPL for Planned annual maintenance. WRLDC opening code - 10/3387 WRLDC charging Code-10/3423		
400 kV Pune(GIS)-Aurangabad-I	1-Nov-22	0:00:00	8-Nov-22	17:24:00	0:00:00	0:00:00	185:24:00	0:00:00	To control loading on Pune-Pune Q/C (to beopened from GIS end only). WRLDC Opening Code: 10/2461 WRLDC charging code -11/1276		
400 kV Solapur-Kolhapur-II	3-Nov-22	13:50:00	3-Nov-22	20:42:00	0:00:00	6:52:00	0:00:00	0:00:00	Emergency Shutdown taken by MSETCL Kolhapur to attend Hot spot at Y ph wave trap and R ph terminal gantry jump at 400 kV TalandgeSS. WRLDC Opening Code: 11/ 425 WRLDC charging code - 11/532		
400 kV Pune(GIS)-Aurangabad-II	8-Nov-22	7:32:00	30-Nov-22	23:59:59	0:00:00	0:00:00	544:27:59	0:00:00	To control loading on Pune-Pune Q/C (to beopened from GIS end only). WRLDC Opening Code: 11/ WRLDC charging code - 11/		
400 kV LILO-Talegaon-Kalwa	13-Nov-22	11:09:00	13-Nov-22	14:57:00	0:00:00	3:48:00	0:00:00	0:00:00	Emergency shutdown taken MSETCL Kalwa to apply repair sleeve on broken conductor strands near vibration damper at tower No: 178,179,159,162 also to attend hot spot at fire wedge connector at loc.171,172). WRLDC Opening Code: 11/ 2326 WRLDC charging code - 11/2334		
400 kV LILO-Talegaon-Kalwa	16-Nov-22	22:33:00	17-Nov-22	7:39:00	0:00:00	9:06:00	0:00:00	0:00:00	To apply repaire sleeve on broken conductor strands near vibration damper at, 178, 179, 159,162 by MSETCL. WRLDC Opening Code: 11/2985 WRLDC charging code - 11/2994		
400 kV LILO-Talegaon-Kalwa	29-Nov-22	22:11:00	30-Nov-22	3:50:00	0:00:00	5:39:00	0:00:00	0:00:00	Emergency shutdown taken by MSETCL Klawa to apply repaire sleeve on broken conductor strands near vibration damper . WRLDC Opening Code: 11/5026 WRLDC charging code - 11/5038		

Element Name	Outage		Restoration		Duration of Outage Attributable to						% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage		
400 kV Pune	29-Nov-22	16:50:00	30-Nov-22	23:59:59	0:00:00	31:09:59	0:00:00	0:00:00	Shutdown taken by PGCIL Shikrapur for attending SF6 gas leakage. WRLDC Opening Code: 11/ WRLDC charging code - 11/	100	
400 kV Pune	1-Dec-22	0:00:00	1-Dec-22	17:01:00	0:00:00	17:01:00	0:00:00	0:00:00	Shutdown taken by PGCIL Shikrapur for attending SF6 gas leakage. WRLDC Opening Code: 11/ 4950 WRLDC charging code - 12/85	99.75	
400 kV Pune	1-Dec-22	0:00:00	31-Dec-22	16:47:00	0:00:00	0:00:00	736:47:00	0:00:00	To control loading on Pune-Pune Q/C (to beopened from GIS end only). Shutdown taken by PGCIL Shikrapur on dtd 08-Dec-2022 for attending SF6 gas leakage . WRLDC Opening Code: 12/1162 MOHV/Manually opened due to High Voltage . WRLDC Opening Code: 12/ 1676 WRLDC charging code - 12/4763		
400 kV LILC	3-Dec-22	23:55:00	4-Dec-22	7:28:00	0:00:00	7:33:00	0:00:00	0:00:00	Planned shutdown of 400KV-KALWA-PADGHE-II and 400KV-KHARGHAR-PUNE-PG-1 forTapping of 400KV PADGHE - KALWA CKT - 2 line on 400KV Kharghar-TalegaonLine to form Temporary 400KV Kalwa-Kharghar-Talgaon line for carryingout HTLS work on 400KV Kalwa-Padgha-2 line (dead portion after tapping). WRLDC Opening Code: 12/461 WRLDC charging code - 12/468		
400 kV Solapur	11-Dec-22	22:01:00	12-Dec-22	15:57:00	17:56:00	0:00:00	0:00:00	0:00:00	Insulator Broken at Tower No - 451. WRLDC charging code - 12/1914.		
400 kV LILC	21-Dec-22	8:13:00	21-Dec-22	19:55:00	0:00:00	11:42:00	0:00:00	0:00:00	Shutdown taken by Lamboti MSETCL for Replacement of string. WRLDC Opening code - 12/3326 Chargeng Code -12/3448	99.86	
400 kV Pune	1-Jan-23	0:00:00	15-Jan-23	7:45:00	0:00:00	0:00:00	343:45:00	0:00:00	MOHV/Manually opened due to High Voltage . WRLDC Opening Code: 12/ 1676 WRLDC charging code - 1/1980		
400 kV Parli	15-Jan-23	6:25:00	15-Jan-23	18:23:00	11:58:00	0:00:00	0:00:00	0:00:00	Insulator Broken at Tower No - 599. WRLDC Charging Code: 1/2041 Severe ROW started at 9:30 hrs and it is resolved at 14:45 hrs. After resolving ROW at 02:45 hrs then we starded the repacement of broken insulator & it is completed at 17:22 hrs and the line is charged at 18:23 hrs.		
400 kV Pune	16-Jan-23	11:31:00	31-Jan-23	23:59:59	0:00:00	0:00:00	372:28:59	0:00:00	For controlling line loading of 400 kV pune pune 182 and,400 kV Pune Chakan. WRLDC Opening Code: 1/2169 WRLDC charging code - 1/		
400 kV Solapur	20-Jan-23	10:40:00	20-Jan-23	12:47:00	0:00:00	0:00:00	0:00:00	2:07:00	The line is tripped due burning of sugar cane waste under the line along with smoke carbon particle reached in between R-phase & B phase created conducting path and the line tripped phase to phase fault. Site photographs attached. WRLDC Charging Code: 1/2870	99.86	
400 kV Solapur	24-Jan-23	12:56:00	24-Jan-23	14:44:00	0:00:00	1:48:00	0:00:00	0:00:00	Hand tripped due to SF6 gas leakage in breaker at kolhapur end. WRLDC Charging Code: 1/3430		
400 kV Parli	25-Jan-23	12:54:00	25-Jan-23	13:49:00	0:00:00	0:55:00	0:00:00	0:00:00	Post OCC outage is required for Conversion of 50 MVAR Non-switchable Reactor to Switchable Reactor by providing 400 kV Circuit Breakers in existing 50 MVAR Line Reactors of Pune (GIS) D/C line bays at 400KV Parli s/s. Agency shall be deputed for the construction works. Line will be charged without reactor and reactor will be out till 31.01.2023, 24:00 Hrs WRLDC Opening Code: 1/3577 & WRLDC Charging Code-1/3578		

Element Name	Outage		Restoration		Duration of Outage Attributable to					% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILAB LE	Reason of Outage	
400 kV LILC	1-Feb-23	22:32:00	1-Feb-23	22:41:00	0:00:00	0:09:00	0:00:00	0:00:00	Direct tripping received at Pune end. line charged from Khargar end. Tripping not in WTPL scope. WRLDC charging code - 2/113	
400 kV Pune	1-Feb-23	0:00:00	15-Feb-23	1:59:00	0:00:00	0:00:00	0:00:00	337:59:00	To control line loading of 400 kV Pune-Pune 1&2 and,400 kV Pune Chakan Line. WRLDC Opening Code-1/ 2169 WRLDC Charging Code-2/2041	
400 kV LILC	4-Feb-23	10:07:00	4-Feb-23	14:34:00	0:00:00	4:27:00	0:00:00	0:00:00	Shut down taken by MSETCL Lamboti for replacement of insulator string. WRLDC Opening Code:2/440.WRLDC Charging Code: 2/465	
400 kV Solapur	7-Feb-23	18:41:00	8-Feb-23	0:05:00	0:00:00	5:24:00	0:00:00	0:00:00	Emergency shutdown taken by Solapur PGCIL to attend Hotspot at 418-89A Y phase (Tpoint Dropper side), 418-52 R & Y ph CB terminal pad Isolator Side. WRLDC Opening Code:2/874 WRLDC Charging Code: 2/914	
400 kV LILC	11-Feb-23	13:04:00	11-Feb-23	15:59:00	0:00:00	2:55:00	0:00:00	0:00:00	Tripped on R-E fault .Pune end: 5.85 kA, 61.76 km MSETCL Kalwa end: 9.87 kA, 24.77 km, WTPL portion 1.232Km from Pune end. WRLDC Charging Code:2/1497	
400 kV Solapur	13-Feb-23	9:09:00	13-Feb-23	18:24:00	0:00:00	9:15:00	0:00:00	0:00:00	Shutdown taken by PGCIL Solapur for line terminal equipments AMP in Solapur PGCIL Substation. Diameter to be kept open for testing. WRLDC Opening Code:2/1711 1/2169 WRLDC charging code- 2/1803	
400 kV Parli	14-Feb-23	21:20:00	14-Feb-23	22:02:00	0:00:00	0:42:00	0:00:00	0:00:00	Line hand tripped for taking line reactor at Parli end into service. WRLDC Opening Code: 2/2026 WRLDC Charging Code-2030	
400 kV Pune	15-Feb-23	2:04:00	15-Feb-23	2:05:00	0:00:00	0:01:00	0:00:00	0:00:00	AR success on Y phase to ground fault at Walunj SS end Z1- Falut Current - 20.34KA Fault distance: 0.10 km.	
400 kV Pune	15-Feb-23	2:04:00	15-Feb-23	4:02:00	0:00:00	1:58:00	0:00:00	0:00:00	Due to one ring of wave trap of 400 kv pune-waluj-2 burst at waluj end. Over Voltage stage 1&2 and Master relay operated and DT sent. WRLDC Charging Code-2/2044	
400 kV Parli	15-Feb-23	2:27:00	15-Feb-23	7:18:00	0:00:00	4:51:00	0:00:00	0:00:00	Emergency shutdown taken for attending Secondary Voltage drift in Line CVT of B phase. WRLDC Opening Code: 2/ 2042 & WRLDC Charging Code-2/2047	
400 kV Parli	15-Feb-23	17:42:00	15-Feb-23	18:32:00	0:00:00	0:50:00	0:00:00	0:00:00	For shutdown of non switchable line reactor at Parli SS. WRLDC Opening Code: 2/2117 & WRLDC Charging Code-2/2118	
400 kV Parli	15-Feb-23	11:27:00	15-Feb-23	15:30:00	0:00:00	4:03:00	0:00:00	0:00:00	Tripped on Y phase to B phase fault, Fault Current- 21.1 kA, Fault Distance -6.5 km from Shikrapur SS. It is in PGCIL portion. WTPL portion starts 13.00KM from Shikrapur SS. WRLDC Opening Code: 2/2042 & WRLDC Charging Code-2/2047	
400 kV Pune	15-Feb-23	11:23:00	16-Feb-23	17:50:00	0:00:00	30:27:00	0:00:00	0:00:00	Emergency shutdown taken to attend broken insulator at Waluj SS. WRLDC Opening Code: 2/ 2088 & WRLDC Charging Code-2/2285	
400 kV Pune	16-Feb-23	17:50:00	17-Feb-23	0:40:00	6:50:00	0:00:00	0:00:00	0:00:00	400 kV Pune(GIS)-Aurangabad-II tripped on SOTF due to B phase to - Ground fault while line was already discharged due to voltage regulation.No abnormality found in line. Line is charge in single trial.FD-114.3 KM , FC- 3.1 kA from Pune.	
400 kV Solapur	16-Feb-23	9:36:00	16-Feb-23	23:04:00	0:00:00	13:28:00	0:00:00	0:00:00	Shut down taken by Parli PGCIL for Line Equipment maintenance works. Diameter to be kept open for testing. WRLDC Opening Code: 2/ 2313 & WRLDC Charging Code-2/2342	
400 kV Pune	17-Feb-23	8:54:00	18-Feb-23	14:50:00	0:00:00	0:00:00	29:56:00	0:00:00	Line hand tripped to control loading of 400 kV Pune Chakan . WRLDC Opening Code: 2/2376 & WRLDC Charging Code-2/2553	

Element Name	Outage		Restoration		Duration of Outage Attributable to					% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILABLE	Reason of Outage	
400 kV Par	18-Feb-23	14:02:00	18-Feb-23	22:41:00	0:00:00	8:39:00	0:00:00	0:00:00	Emergency shutdown taken by Parli SS to attend hot spot. WRLDC Opening Code: 2/ 2551 & WRLDC Charging Code-2/2612	99.9
400 kV Pune	18-Feb-23	15:15:00	18-Feb-23	23:26:00	0:00:00	8:11:00	0:00:00	0:00:00	Line Hand tripped by site due to heavy sparking observed on Yph PG isolator of Main Bus-A at Aurangabad (Waluj) end. WRLDC Charging Code-2/2614	
400 kV Pune	20-Feb-23	15:36:00	1-Mar-23	0:00:00	0:00:00	0:00:00	200:24:00	0:00:00	To control loading of Pune Chakan line. WRLDC Opening Code: 2/2795.	
400 kV LILC	25-Feb-23	13:34:00	25-Feb-23	15:50:00	0:00:00	2:16:00	0:00:00	0:00:00	Line tripped on B phase to Ground fault, Fault Distance - 23.72 km, Fault Current -9.55 kS from Pune end. WTPL portion is 1.232km from Pune end. WRLDC Charging Code-2/3561	
400 kV Par	28-Feb-23	19:32:00	28-Feb-23	20:03:00	0:00:00	0:31:00	0:00:00	0:00:00	Shutdown taken by PGCIL Parli to take L/R at Parli PGCIL end in service. WRLDC Charging Code-2/4013	99.9
400 kV Par	1-Mar-23	12:23:00	1-Mar-23	12:40:00	0:00:00	0:17:00	0:00:00	0:00:00	Shut down taken by PGCIL Parli for non switchable line reactor. Non-Switchable Reactor to be made switchable (New Construction Works). WRLDC Opening Code-3/ 70 WRLDC charging code - 3/73	
400 kV Pune	1-Mar-23	0:00:00	9-Mar-23	9:36:00	0:00:00	0:00:00	201:36:00	0:00:00	To control loading of Pune Chakan line. WRLDC Opening Code: 2/2795.WRLDC Charging Code-3/1036	
400 kV LILC	5-Mar-23	18:45:00	6-Mar-23	1:04:00	0:00:00	6:19:00	0:00:00	0:00:00	Shutdown taken by PGCIL Talegaon for Bay ISO Copper contact cleaning work and Relay Testing Works. WRLDC Opening Code:3/628 WRLDC Charging Code: 3/651	
400 kV LILC	6-Mar-23	22:35:00	7-Mar-23	6:27:00	0:00:00	7:52:00	0:00:00	0:00:00	ESD taken by MSETCL to carry out various maintenance activities. a. Chemical cleaning of insulator strings from loc no 1A, 1-53. b. Installation of spacers. c. Fixing of earth bond. d. PID detected weak strings replacement work. e. Annual diagnostic testing & Bay maintenance activities..WRLDC Opening Code:3/ 825WRLDC Charging Code: 3/ 839	
400 kV LILC	9-Mar-23	9:58:00	9-Mar-23	9:58:00	0:00:00	0:00:00	0:00:00	0:00:00	AR success on B phase to earth fault at Jeur SS end Z1- Falut Current - 3.55 KA Fault distance: 19.71 km from Jeur SS. WTPL line will start at 49km from Jeur substation.	
400 kV Pune	9-Mar-23	10:17:00	9-Mar-23	17:37:00	0:00:00	7:20:00	0:00:00	0:00:00	Shut down taken by PGCIL for taking LR in and out of service. WRLDC Opening Code: 3/1036.WRLDC Charging Code-3/1089	
400 kV Pune	9-Mar-23	17:37:00	10-Mar-23	10:50:00	0:00:00	0:00:00	17:13:00	0:00:00	To control loading of Pune Chakan line. WRLDC Opening Code: 3/1089.WRLDC Charging Code-3/1180	
400 kV LILC	10-Mar-23	14:52:00	10-Mar-23	15:44:00	0:00:00	0:52:00	0:00:00	0:00:00	Line tripped on R-Y fault. Kalwa- r-y, z1, A/R lockout, 52.54 km,R- 6.531 kA, Y- 7.453 kA;Pune : R-Y , 10.45 kA, 32.96 km. WTPL portion is 1.230 Km from Pune end. WRLDC Charging Code-3/1212	
400 kV Pune	10-Mar-23	11:05:00	10-Mar-23	18:14:00	0:00:00	7:09:00	0:00:00	0:00:00	Shutdown taken by PGCIL for 401A LR AMP Work. WRLDC Opening Code: 3/1184 & WRLDC Charging Code-3/1237	
400 kV Pune	10-Mar-23	18:14:00	10-Mar-23	20:14:00	0:00:00	0:00:00	2:00:00	0:00:00	To control line loading of 400 kV Pune -PGCIL WRLDC Opening Code: 3/1184 & WRLDC Charging Code-3/1254	
400 kV Par	10-Mar-23	19:29:00	11-Mar-23	1:44:00	0:00:00	6:15:00	0:00:00	0:00:00	Shut down taken by PGCIL to attend hotspot in B phase Isolator with temp greater than 350 DegC.WRLDC Opening Code: 3/ 1251 & WRLDC Charging Code-3/1277	
400 kV Pune	11-Mar-23	15:14:00	11-Mar-23	18:21:00	0:00:00	0:00:00	3:07:00	0:00:00	To control loadings on Mumbai connected lines. WRLDC Opening Code: 3/1350 WRLDC Charging Code-3/1370	

Element Name	Outage		Restoration		Duration of Outage Attributable to						% Availability
	Date	Time	Date	Time	Inter-State Transmission LICENCEE	OTHERS	System constraint/ Natural calamity/ Militancy	DEEMED AVAILAB LE	Reason of Outage		
400 kV Parli	11-Mar-23	18:37:00	29-Mar-23	21:16:00	0:00:00	434:39:00	0:00:00	0:00:00	Shutdown taken by PGCIL Parli for testing and commissioning works, conversion of non switchable line reactor into switchable line reactor at Parli SS .// Outage is required from 09-03-2023 to 16.03.2023..WRLDC Opening Code: 3/ 1379 & WRLDC Charging Code-3/3679	100	
400 kV LILCO	13-Mar-23	18:15:00	13-Mar-23	18:44:00	0:00:00	0:29:00	0:00:00	0:00:00	Shutdown taken by MSETCL to remove kite theard from Conductor bottom wire at Loc 162-163. WTPL line is having only 07 towers. WRLDC Opening Code: 3/1596.WRLDC Charging Code-3/1603		
400 kV Pune	19-Mar-23	15:50:00	19-Mar-23	18:06:00	0:00:00	2:16:00	0:00:00	0:00:00	Shutdown taken by PGCIL to attend oil leakage from B-Ph of 400kV Aurangabad-Pune(GIS)-2 line Reactor. WRLDC Opening Code: 3/2443 WRLDC Charging Code-3/2462		
400 kV Solapur	19-Mar-23	18:39:00	20-Mar-23	0:23:00	0:00:00	5:44:00	0:00:00	0:00:00	Shutdown taken by Alkud MSETCL for routine maintenance work .WRLDC Opening Code: 3/2467.WRLDC Charging Code-3/2494		
400 kV Pune	21-Mar-23	7:29:00	21-Mar-23	22:54:00	0:00:00	0:00:00	15:25:00	0:00:00	To control loading on 400 kV pune- chakan line.WRLDC Opening Code: 3/2656 WRLDC Charging Code-3/2773		
400 kV Pune	23-Mar-23	8:11:00	23-Mar-23	22:42:00	0:00:00	0:00:00	14:31:00	0:00:00	To control loading on 400 kV pune- chakan line.WRLDC Opening Code: 3/2886 WRLDC Charging Code-3/3005		
400 kV Pune	24-Mar-23	10:17:00	27-Mar-23	22:08:00	0:00:00	0:00:00	83:51:00	0:00:00	To control loading on 400 kV pune- chakan line.WRLDC Opening Code: 3/3044 WRLDC Charging Code-3/3406		