

Element wise Outage Details of Warora-Kurnool Transmission Limited for FY 2023 - 24

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	
765kV 240 MVAR Line Reactor-2 of Rajnandgaon - Warora Ckt-2 at Warora SS	5-Apr-23	9:24:00	5-Apr-23	20:05:00	0:00:00	10:41:00	0:00:00	0:00:00	765KV RAJNANDGAON - NEW PS WARORA CKT-2 Outage was taken at 09:24:54 hrs. (Outage Code WR-439, NL-475) on 05/04/2023 for Annual maintenance of Line equipment at RAJNANDGAON SS , Restoration and readiness mail sent to WRLDC on 05/04/2023 at 19:32: (Charging Code received WR-560, NL- 533) Charged at 20:05:22.	99.8
765kV 240 MVAR Line Reactor-1 of Rajnandgaon - Warora Ckt-1 at Warora SS	28-Apr-23	11:47:00	28-Apr-23	14:42:00	2:55:00	0:00:00	0:00:00	0:00:00	765KV RAJNANDGAON - NEW PS (WARORA) CKT-1, Emergency Outage was taken at 11:47:30 hrs. (Outage Code WR-3188, NL-2956, LR WR-3139, NL-2957) on 28/04/2023 to attend heavy oil leakage 701 LR B-Phase Line Reactor at Warora ss ,Restoration and readiness mail sent to WRLDC on 28/04/2023 at 14:12 (Charging Code received WR-3154, NL- 2966 LR WR-3155, NL- 2967) and Charged at 15:12:03.	
765kV 240 MVAR Line Reactor-1 of Rajnandgaon - Warora Ckt-1 at Warora SS	28-Apr-23	14:42:00	28-Apr-23	15:12:00	0:00:00	0:30:00	0:00:00	0:00:00	765KV RAJNANDGAON - NEW PS (WARORA) CKT-1, Emergency Outage was taken at 11:47:30 hrs. (Outage Code WR-3188, NL-2956, LR WR-3139, NL-2957) on 28/04/2023 to attend heavy oil leakage 701 LR B-Phase Line Reactor at Warora ss ,Restoration and readiness mail sent to WRLDC on 28/04/2023 at 14:12 (Charging Code received WR-3154, NL- 2966 LR WR-3155, NL- 2967) and Charged at 15:12:03.	
400kV Warangal New-Warangal PG Line -2	9-Jul-23	21:11:00	21-Jul-23	14:53:00	0:00:00	0:00:00	281:42:00	0:00:00	400kV Warangal New-Warangal PG Line -2 taken out of service by SRLDC due to voltage regulation. SRLDC discharging code - 956 SRLDC Charging code - 2264	
400kV Warangal New-Warangal PG Line -1	21-Jul-23	15:03:00	24-Jul-23	11:17:00	0:00:00	0:00:00	68:14:00	0:00:00	400kV Warangal New-Warangal PG Line -1 taken out of service by SRLDC due to voltage regulation. SRLDC Discharging code - 2273	
400kV Warangal New-Warangal PG Line -1	24-Jul-23	11:18:00	25-Jul-23	19:00:00	31:42:00	0:00:00	0:00:00	0:00:00	400kV Warangal New-Warangal PG Line -1 shutdown taken by Project team for OPGW diamond formation for 765kV Warangal-C'Peta line crossing. SRLDC discharging code - 2543 Charging code - 2674	

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400kV Warangal New-Warungal PG Line -2	24-Jul-23	11:18:00	25-Jul-23	19:00:00	31:42:00	0:00:00	0:00:00	0:00:00	400kV Warangal New-Warungal PG Line -2 shutdown taken by Project team for OPGW diamond formation for 765kV Warangal-C'Peta line crossing then after work completion we have given the readiness at 18:38 Hrs. after onwards it will goes under voltage regulation as per instruction given by SRLDC. SRLDC discharging code - 2544	91.537
765 kV Hyderabad-Kurnool Line-1	24-Jul-23	17:59:00	31-Jul-23	23:59:00	0:00:00	0:00:00	174:00:00	0:00:00	765 kV Hyderabad-Kurnool Line-1 taken out of service by SRLDC due to voltage regulation. SRLDC Discharging code - 2576	
400kV Warangal New-Warungal PG Line -2	25-Jul-23	19:00:00	31-Jul-23	23:59:00	0:00:00	0:00:00	148:59:00	0:00:00	400kV Warangal New-Warungal PG Line -2 taken out of service by SRLDC due to voltage regulation. SRLDC Discharging code - 2675	
400kV Warangal New-Warungal PG Line -2	1-Aug-23	0:00:00	10-Aug-23	11:12:00	0:00:00	0:00:00	227:12:00	0:00:00	As per instruction received from WRLDC Line was kept out due to voltage regulation. Charging code - 1633	
400kV Warangal New-Warungal PG Line -1	8-Aug-23	16:50:00	8-Aug-23	21:28:00	0:00:00	4:38:00	0:00:00	0:00:00	Line tripped from PGCIL end on line differential protection. Charging codes - SRLDC - 1303.	
765/400kV 1500MVA ICT-2 at Warangal New SS	9-Aug-23	11:31:00	9-Aug-23	22:00:00	10:29:00	0:00:00	0:00:00	0:00:00	ICT#2 tripped on differential while attempting charging of ICT#1 (FTC). ICT#2 – NLDC-837, SRLDC-1554	
400kV Warangal New-Warungal PG Line -2	10-Aug-23	12:50:00	10-Aug-23	19:49:00	0:00:00	6:59:00	0:00:00	0:00:00	Emergency outage taken by PGCIL. Charging code - SRLDC - 1727	
765/400kV 1500MVA ICT-2 at Warangal New SS	25-Aug-23	12:40:00	25-Aug-23	14:59:00	2:19:00	0:00:00	0:00:00	0:00:00	Outage taken due to hotspot Discharging code - NLDC-2274, SRLDC- 3943 Charging code - NLDC-2286, SRLDC- 3967	95.617
765 kV Hyderabad-Kurnool Line-2	26-Aug-23	18:41:00	31-Aug-23	0:00:00	0:00:00	0:00:00	101:19:00	0:00:00	As per instruction received from WRLDC Line was kept out due to voltage regulation. Discharging code - NLDC-2441, SRLDC- 4192 Charging code - NLDC-2286, SRLDC- 3967	

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765 kV Hyderabad-Kurnool Line-2	2-Sep-23	11:27:00	3-Sep-23	17:50:00	0:00:00	0:00:00	0:00:00	30:23:00	As per Instruction given by SLDC line out due to voltage regulation, Discharging Code- SRLDC-196, NLDC-156, Charging codes - SRLDC - 331, NLDC-275.	100
765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-2	27-Sep-23	12:36:00	27-Sep-23	15:55:00	3:19:00	0:00:00	0:00:00	0:00:00	765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-2 was tripped due to DT send to C'Peta end from Warangal New during wararora ckt PLCC testing work at Warangal new SS. Charging codes - SRLDC - 3552, NLDC-4269.	
765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-1	13-Oct-23	12:34:00	13-Oct-23	14:02:00	1:28:00	0:00:00	0:00:00	0:00:00	Emergency Shutdown taken for Isolator 89L Rectification work. Readiness mail has been sent at 14:02 Hrs. on 13.10.2023 & Line has been charged at 15:24 Hrs. on 13.10.2023. Discharging Code- SRLDC-2106, NLDC-1195, Charging codes - SRLDC - 2119, NLDC-1202.	99.991
765kV Warangal New- Maheshwar PGCIL (Hyderabad) Line-2	16-Oct-23	18:47:00	17-Oct-23	6:59:00	0:00:00	0:00:00	12:12:00	0:00:00	As per WRLDC Instruction the line is out for voltage regulation, Discharging Code- SRLDC-2596, NLDC-1502, Charging codes - SRLDC - 2695, NLDC-1534.	
765 kV Hyderabad-Kurnool Line-2	10-Nov-23	20:32:00	29-Nov-23	10:04:00	0:00:00	0:00:00	0:00:00	445:32:00	Outage due to voltage regulation, Discharging Code- SRLDC-1358, NLDC-1004, Charging codes - SRLDC - 3441, NLDC-2922-	
765 kV Hyderabad-Kurnool Line-1	29-Nov-23	14:18:00	30-Nov-23	23:59:00	0:00:00	0:00:00	0:00:00	33:41:00	Outage due to voltage regulation but still line is not charged but we had considered the outage time as per 23:59 into this month for the calculation. Discharging Code- SRLDC-3469, NLDC-2939,	
765 kV Hyderabad-Kurnool Line-1	1-Dec-23	0:00:00	21-Dec-23	15:04:00	0:00:00	0:00:00	0:00:00	495:04:00	Outage due to voltage regulation, Discharging Code- SRLDC-3469, NLDC-2939, Charging codes - SRLDC - 2853, NLDC-2701.	100
765 kV Hyderabad-Kurnool Line-1	24-Dec-23	19:21:00	31-Dec-23	0:00:00	0:00:00	0:00:00	0:00:00	148:39:00	Outage due to voltage regulation, Discharging Code- SRLDC-3441, NLDC-3100,	

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765kV Warangal New-C'PETA PGCIL (Chilakaluripeta) Line reactor-2 at C'peta SS	31-Dec-23	10:44:00	31-Dec-23	23:59:00	13:15:00	0:00:00	0:00:00	0:00:00	LR-2 Trip due to directional earth fault,	99.919
765kV Warangal New-C'PETA PGCIL (Chilakaluripeta) Line reactor-2 at C'peta SS	1-Jan-24	0:00:00	1-Jan-24	12:47:00	12:47:00	0:00:00	0:00:00	0:00:00	LR-2 Trip due to directional earth fault,	
765 kV Hyderabad-Kurnool Line-1	1-Jan-24	0:00:00	10-Jan-24	10:34:00	0:00:00	0:00:00	226:34:00	0:00:00	Outage due to voltage regulation, Discharging Code- SRLDC-3441, NLDC-3100, Charging code SRLDC-1564,NLDC-1431 Voltage before - 791/781 Voltage After - 789/796	
765kV Warangal New-C'PETA PGCIL (Chilakaluripeta) Line-2	8-Jan-24	13:32:00	15-Jan-24	10:11:00	164:39:00	0:00:00	0:00:00	0:00:00	Outage taken due to CVT failure. NLDC-1233, SRLDC- 1233	
765 kV Hyderabad-Kurnool Line-2	12-Jan-24	20:33:00	18-Jan-24	9:05:00	0:00:00	0:00:00	132:32:00	0:00:00	Outage due to voltage regulation, Discharging Code- SRLDC-2467, NLDC-2215, Charging code SRLDC-2860,NLDC-2629 Voltage Before - 801/798 Voltage After - 792/789	
765kV Warangal New-C'PETA PGCIL (Chilakaluripeta) Line-1	21-Jan-24	20:46:00	22-Jan-24	10:20:00	0:00:00	0:00:00	13:34:00	0:00:00	Outage due to voltage regulation, Discharging Code- SRLDC-3460, NLDC-3196, Charging code SRLDC-3537,NLDC-3243 Voltage Before - 800/798 Voltage After - 793/792.	

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765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-1	21-Jan-24	17:35:00	21-Jan-24	19:57:00	2:22:00	0:00:00	0:00:00	0:00:00	C'peta line -2 trip due relay malfunction . Charging code SRLDC-2860,NLDC-2629	99.338
765 kV Hyderabad-Kurnool Line-1	31-Jan-24	6:22:00	31-Jan-24	7:53:00	0:00:00	0:00:00	0:00:00	1:31:00	Tripped due to DT Received from other end Charging Code - SRLDC - 5125, NLDC- 4392	
765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-2	3-Feb-24	8:09:00	3-Feb-24	22:15:00	14:06:00	0:00:00	0:00:00	0:00:00	765kV Warangal New- C'PETA PGCIL (Chilakaluripeta) Line-2 Tripped due to Insulator failure. Readiness for charging given on 02.03.2024 at 22:15 Hrs, but charged on 02.04.2024 at 00:15 Hrs. Charging codes are - NLDC – 411, SRLDC – 650	
765kV Warangal New- Maheshwaram PGCIL (Hyderabad) Line-2	4-Feb-24	19:02:00	15-Feb-24	6:18:00	0:00:00	0:00:00	251:16:00	0:00:00	As per Instruction given by SRLDC Line is out for Voltage regulation Outage codes - NLDC - 438, SRLDC - 748 Before Voltage - 804/797 & After Voltage: 800/795. Charging code - NLDC - 1808, SRLDC - 2811.	
765 kV Hyderabad-Kurnool Line-2	4-Feb-24	20:15:00	26-Feb-24	7:50:00	0:00:00	0:00:00	515:35:00	0:00:00	As per Instruction given by SRLDC 765 kV Hyderabad-Kurnool Line-2 is out for Voltage regulation. Discharging Code- SRLDC-742, NLDC-482, Charging code SRLDC-4912,NLDC-3359 Voltage Before - 778/778 Voltage After - 769/769	
765/400kV 1500MVA ICT-1 at Warangal New SS	18-Feb-24	10:06:00	18-Feb-24	13:21:00	0:00:00	0:00:00	0:00:00	3:15:00	As per CEA guidelines the Six-month Changeover state that the Spare must take into service within the six-month interval. As per the regulation time duration is allowed for changeover are 5 Hours for Transformer & 3 Hours for Reactor. So, for compliance the Planned Outage taken for ICT spare changeover. Outage Code- SRLDC-3459, NLDC-2276, Charging code SRLDC-3464,NLDC-2296 Voltage before - 791/781 & Voltage After - 789/796	99.926

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765kV Warangal New- Maheshwaram PGCIL (Hyderabad) Line reactor-1 at Warangal New SS	13-Mar-24	13:06:00	13-Mar-24	14:06:00	1:00:00	0:00:00	0:00:00	0:00:00	765kV Warangal New- Maheshwaram PGCIL (Hyderabad) Line reactor-1 at Warangal New SS tripped on earth fault during Line Autoreclosure (Time coordination issue was observed and rectified the same). Readiness mail has been sent at 13:36 Hrs. and extra 30 minutes has been considered for the code process time so the final restoration time has been considered as 14:06 Hrs. Charging codes are - NLDC – 1411, SRLDC – 2206	99.994
765kV Warangal New- Maheshwaram PGCIL (Hyderabad) Line reactor-1 at Warangal New SS	13-Mar-24	14:06:00	13-Mar-24	14:40:00	0:00:00	0:00:00	0:00:00	0:34:00	765kV Warangal New- Maheshwaram PGCIL (Hyderabad) Line reactor-1 at Warangal New SS tripped on earth fault during Line Autoreclosure (Time coordination issue was observed and rectified the same). Readiness mail has been sent at 13:36 Hrs. and extra 30 minutes has been considered for the code process time so the final restoration time has been considered as 14:06 Hrs. Charging codes are - NLDC – 1411, SRLDC – 2206	
765 kV Hyderabad-Kurnool Line-2	16-Mar-24	18:25:00	18-Mar-24	6:40:00	0:00:00	0:00:00	36:15:00	0:00:00	765 kV Hyderabad-Kurnool Line-2 taken out due to Voltage regulation Outage codes - NLDC - 1783, SRLDC - 2780 Chargng code - NLDC - 1899, SRLDC - 2918.	
765kV Warangal New- Warora PS PGCIL Line-2	25-Mar-24	18:02:00	25-Mar-24	21:01:00	0:00:00	0:00:00	2:59:00	0:00:00	765kV Warangal New- WARORA PGCIL Line -2 Tripped due to Over Voltage. Charging codes are - NLDC – 2639, SRLDC – 4193,WR- 2865	
765kV Warangal New- Warora PS PGCIL Line reactor-2	6-Mar-24	17:26:00	6-Mar-24	17:43:00	0:17:00	0:00:00	0:00:00	0:00:00	765kV Warangal New- Warora PS PGCIL Line reactor-2 at Warora SS Shutdown was taken for Checking of switching operation of CB with WRLDC at 765KV Warora SS. Discharging Code: WR-03/572, NL-03/616 Charging Code: WR-03/595, NL-03/630	
765kV 240 MVAR Line Reactor-2 of Rajnandgaon - Warora Ckt-2 at Warora SS	28-Mar-24	11:03:00	29-Mar-24	1:03:00	14:00:00	0:00:00	0:00:00	0:00:00	765kV 240 MVAR Line Reactor-2 of Rajnandgaon - Warora Ckt-2 at Warora SS Shutdown was taken for Annual Maintenance of line reactor at Warora SS. Discharging Code: - WR- 03/3175, NL- 03/2864 Charging Code: - WR- 03/3269, NL- 03/2911	

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