

Element wise Outage Details of Khavda-Bhuj Transmission Limited for FY 2024 - 25

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmission Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
765 D/C Khavda PS – Bhuj PS Ckt-1	16-04-2024 08:30	18-04-2024 02:03	000:00	000:00	000:00	041:33	765 D/C Khavda PS – Bhuj PS Ckt-1 Shutdown taken for For CSD Commisioning of Bay 721 & 720. As per 475 OCC minutes the first Commisioning of CSD outage would be considered as deemed. Shutdown Code : WRLDC 1683 NLDC 1291. Charging Code WRLDC 1985 NLDC 1522.	100%
765 D/C Khavda PS – Bhuj PS Ckt-2	18-04-2024 10:30	20-04-2024 00:30	000:00	000:00	000:00	038:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Shutdown taken for CSD commissioning of Bay 717 & 718. As per 475 OCC minutes the first Commisioning of CSD outage would be considered as deemed. Shutdown Code : WRLDC 2018 NLDC 1549. Charging Code WRLDC 2263 NLDC 1750.	100%
330 MVAR 765kV Bus reactor-1	17-04-2024 11:06	17-04-2024 18:07	000:00	000:00	007:01	000:00	As per Grid Instruction the 330 MVAR 765kV Bus reactor-1 was discharged due to Voltage Regulation. Shutdown code : WRLDC 1876 NLDC 1446. Charging Code : WRLDC 1937 NLDC 1493.	99.56%
330 MVAR 765kV Bus reactor-1	19-04-2024 10:08	19-04-2024 18:01	000:00	000:00	007:53	000:00	As per Grid Instruction the 330 MVAR 765kV Bus reactor-1 was discharged due to Voltage Regulation. Shutdown code : WRLDC 2153 NLDC 1670. Charging Code : WRLDC 2219 NLDC 1721.	
330 MVAR 765kV Bus reactor-1	10-04-2024 12:23	10-04-2024 15:33	003:10	000:00	000:00	000:00	330 MVAR 765kV Bus reactor-1 was tripped on Lockout Relay operated during Data Validation work in Bay 707. Charging Code : WRLDC 1104 NLDC 861.	
765 D/C Khavda PS – Bhuj PS Ckt-1	04-05-2024 16:41	04-05-2024 23:26	000:00	000:00	000:00	006:45	765 D/C Khavda PS – Bhuj PS Ckt-1 Outage taken for CSD Commissioning of bay 721, 720 of 765 kv Bhuj SS. Shutdown Code : WRLDC 366 NLDC 305 Charging Code WRLDC 413 NLDC 377	99.58%
765 D/C Khavda PS – Bhuj PS Ckt-1	05-05-2024 19:03	05-05-2024 22:09	003:06	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-1 Emergency Shutdown taken for Attending alignment issue of 89 B Isolator of 720 Bay at 765KV BHUJ SS . Shutdown Code : WRLDC 457 NLDC 397. Charging Code WRLDC 470 NLDC 405.	
765 D/C Khavda PS – Bhuj PS Ckt-2	06-05-2024 20:04	07-05-2024 05:40	000:00	000:00	000:00	009:36	765 D/C Khavda PS – Bhuj PS Ckt-2 Outage taken for CSD commissioning of Bay 717 & 718. Shutdown Code : WRLDC 582 NLDC 514. Charging Code WRLDC 606 NLDC 534	99.61%
765 D/C Khavda PS – Bhuj PS Ckt-2	14-05-2024 21:59	15-05-2024 00:51	002:52	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped due to Y-phase to Ground fault in Zone 1 distance at 29.67 km from Khavda end Charging Code: WRLDC 1670 NLDC 1298 Readiness time declared at 00:21 Hrs. on 15.05.2024 and 30 minutes of time duration has been considered for code process so the restoration time would be 00:51 Hrs. on 15.05.2024 and line was charged at 01:25 Hrs. on 15.05.2024	
765 D/C Khavda PS – Bhuj PS Ckt-2	15-05-2024 00:51	15-05-2024 01:25	000:00	000:00	000:00	000:34	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped due to Y-phase to Ground fault in Zone 1 distance at 29.67 km from Khavda end Charging Code: WRLDC 1670 NLDC 1298 Readiness time declared at 00:21 Hrs. on 15.05.2024 and 30 minutes of time duration has been considered for code process so the restoration time would be 00:51 Hrs. on 15.05.2024 and line was charged at 01:25 Hrs. on 15.05.2024	
330 MVAR 765kV Bus reactor-1 at Khavda	14-05-2024 21:59	15-05-2024 00:51	002:52	000:00	000:00	000:00	330 MVAR 765kV Bus reactor-1 at Khavda Tripped due to Differential protection opearted during the tripping of 765KV Bhuj Ckt 2. Charging Code : WRLDC 1669 NLDC 1299. Readiness time declared at 00:21 Hrs. on 15.05.2024 and 30 minutes of time duration has been considered for code process so the restoration time would be 00:51 Hrs. on 15.05.2024 and line was charged at 01:20 Hrs. on 15.05.2024	99.61%
330 MVAR 765kV Bus reactor-1 at Khavda	15-05-2024 00:51	15-05-2024 01:20	000:00	000:00	000:00	000:29	330 MVAR 765kV Bus reactor-1 at Khavda Tripped due to Differential protection opearted during the tripping of 765KV Bhuj Ckt 2. Charging Code : WRLDC 1669 NLDC 1299. Readiness time declared at 00:21 Hrs. on 15.05.2024 and 30 minutes of time duration has been considered for code process so the restoration time would be 00:51 Hrs. on 15.05.2024 and line was charged at 01:20 Hrs. on 15.05.2024	
330 MVAR 765kV Bus reactor-1 at Khavda	22-05-2024 10:09	22-05-2024 20:03	000:00	000:00	000:00	009:54	330 MVAR 765kV Bus reactor-1 at Khavda Outage was taken for CSD ON LOAD COMMISSIONING OF Bay 708,707. Shutdown Code : WRLDC 2644 NLDC 2027. Charging Code : WRLDC 2731 NLDC 2089.	
125 MVAR 420kV Bus reactor-1 at Khavda	23-05-2024 09:48	23-05-2024 19:27	000:00	000:00	000:00	009:39	125 MVAR 420kV Bus reactor-1 at Khavda Shutdown was taken for CSD ON LOAD COMMISSIONING OF Bay 410,411 Shutdown Code : WRLDC 2790 Charging Code WRLDC: 2861	100%
765/400kV 1500 MVA ICT-1 at Khavda	24-05-2024 09:39	25-05-2024 17:23	000:00	000:00	000:00	031:44	765/400kV 1500 MVA ICT-1 at Khavda Shutdown was taken for CSD ON LOAD COMMISSIONING OF Bay 402,403,702 & 703 . Shutdown Code : WRLDC 2924 NLDC 2230. Charging Code WRLDC: 3083 NLDC 2360.	100%

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmission Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
765/400kV 1500 MVA ICT-2 at Khavda	27-05-2024 09:15	28-05-2024 19:14	000:00	000:00	000:00	033:59	765/400kV 1500 MVA ICT-2 at Khavda Shutdown was taken for CSD ON LOAD COMMISSIONING OF Bay 705,706,405 & 406 Shutdown Code : WRLDC 3220 NLDC 2481. Charging Code WRLDC: 3378 NLDC 2653.	99.29%
765/400kV 1500 MVA ICT-2 at Khavda	18-05-2024 19:02	18-05-2024 19:29	000:00	000:00	000:00	000:27	765/400kV 1500 MVA ICT-2 at Khavda Tripped on Impedance relay operated due to voltage selection relay malfunctioning. Charging Code : WRLDC 2200 NLDC 1665.	
765/400kV 1500 MVA ICT-2 at Khavda	18-05-2024 13:43	18-05-2024 19:02	005:19	000:00	000:00	000:00	765/400kV 1500 MVA ICT-2 at Khavda Tripped on Impedance relay operated due to voltage selection relay malfunctioning. Charging Code : WRLDC 2200 NLDC 1665. Readiness time declared at 18:32Hrs. on 18.05.2024 and 30 minutes of time duration has been considered for code process so the restoration time would be 19:02 Hrs. on 18.05.2024 and line was charged at 19:29 Hrs. on 18.05.2024	
765/400kV 1500 MVA ICT-3 at Kahvda	29-05-2024 09:09	30-05-2024 20:31	000:00	000:00	000:00	035:22	765/400kV 1500 MVA ICT-3 at Kahvda Shutdown was taken for CSD ON LOAD COMMISSIONING OF Bay 708,709,408 & 409 Shutdown Code : WRLDC 3437 NLDC 2685 Charging Code WRLDC: 3646 NLDC 2906	100%
330 MVAR 765kV Bus reactor-1 at Khavda	08-06-2024 10:10	08-06-2024 15:59	000:00	000:00	000:00	005:49	330 MVAR 765kV Bus Reactor-1 Shutdown taken for First Time Charging of Spare reactor with R Phase of 765kV Reactor. First time changeover compliance done as per CEA guideline. Readiness mail has been sent at 15:29 Hrs. but charged at 20:08 Hrs.Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 15:59 Hrs. Shutdown Code : WRLDC 898 NLDC 739 Charging Code WRLDC: 962 NLDC 780.	100%
330 MVAR 765kV Bus reactor-1 at Khavda	08-06-2024 15:59	08-06-2024 20:08	000:00	000:00	000:00	004:09	330 MVAR 765kV Bus Reactor-1 Shutdown taken for First Time Charging of Spare reactor with R Phase of 765kV Reactor. Readiness mail has been sent at 15:29 Hrs. but charged at 20:08 Hrs.Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 15:59 Hrs. Shutdown Code : WRLDC 898 NLDC 739 Charging Code WRLDC: 962 NLDC 780.	
765/400kV 1500 MVA ICT-3 at Kahvda	10-06-2024 09:38	10-06-2024 14:33	000:00	000:00	000:00	004:55	765/400kV 1500 MVA ICT-3 Shutdown taken for First Time Charging of Spare with R Phase of ICT 3. First time changeover compliance done as per CEA guideline. Readiness mail has been sent at 14:03 Hrs. but charged at 18:30 Hrs.Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 14:33 Hrs. Shutdown Code : WRLDC 1122 NLDC 915 Charging Code WRLDC: 1182 NLDC 984.	100%
765/400kV 1500 MVA ICT-3 at Kahvda	10-06-2024 14:33	10-06-2024 18:30	000:00	000:00	000:00	003:57	765/400kV 1500 MVA ICT-3 Shutdown taken for First Time Charging of Spare with R Phase of ICT 3. Readiness mail has been sent at 14:03 Hrs. but charged at 18:30 Hrs.Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 14:33 Hrs. Shutdown Code : WRLDC 1122 NLDC 915 Charging Code WRLDC: 1182 NLDC 984.	
765 D/C Khavda PS – Bhuj PS Ckt-1	24-06-2024 16:36	24-06-2024 18:30	001:54	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-1 Tripped on Distance protection opearted Charging Code: WRLDC 2753 NLDC 2319	99.74%
765 D/C Khavda PS – Bhuj PS Ckt-2	24-06-2024 16:24	24-06-2024 18:34	002:10	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped on Distance protection opearted Charging Code: WRLDC 2754 NLDC 2320	99.50%
765 D/C Khavda PS – Bhuj PS Ckt-2	25-06-2024 23:03	26-06-2024 00:31	001:28	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped on Distance protection opearted Charging Code: WRLDC 2901 NLDC 2412	
125 MVAR 420kV Bus reactor-1 at Khavda	02-07-2024 18:53	03-07-2024 05:31	000:00	000:00	000:00	010:38	125 MVAR 420kV Bus reactor-1 at Khavda Shutdown taken by Project team for Construction work of bay 412 Near Reactor area on 2.07.24 18:53. After work completion charging code not issue by Grid stating voltage profile high.Charged on 26.07.24 at 0:36 hours as per grid requirement. Equipment shut down taken to facilitate construction activities of new system being executed by Licensee Outage Code : WRLDC : 188 Charging Code : WRLDC 2894	100%
125 MVAR 420kV Bus reactor-1 at Khavda	03-07-2024 05:31	26-07-2024 00:36	000:00	547:05	000:00	000:00	In the Continuation of the Reactor outage after work completion charging code was not issued by Grid due to high voltage profile and then As per Grid Instruction it was charged on 26.07.24 at 0:36 Hrs. Outage Code : WRLDC : 188 Charging Code : WRLDC 2894	
765/400kV 1500 MVA ICT-1 at Khavda	08-07-2024 18:51	08-07-2024 22:20	003:29	000:00	000:00	000:00	765/400kV 1500 MVA ICT-1 at Khavda Tripped due to Neutral voltage displacement protection operated. Charging Code WRLDC 904 NLDC 574.	100%

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765 D/C Khavda PS – Bhuj PS Ckt-1	08-07-2024 18:52	09-07-2024 00:07	005:15	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-1 Tripped on Distance protection operated in the B-Phase to Ground fault. Distance at 523.5 Mtr Charging Code: WRLDC 909 NLDC 575	99.29%
765 D/C Khavda PS – Bhuj PS Ckt-2	09-07-2024 16:09	09-07-2024 17:25	001:16	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped on Distance protection operated in the Y-phase to Ground fault Distance at 75.4 Km Readiness mail has been sent at 16:55 Hrs. Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 17:25 Hrs. Charging Code: WRLDC 999 NLDC 634	99.83%
765 D/C Khavda PS – Bhuj PS Ckt-2	09-07-2024 17:25	09-07-2024 17:51	000:00	000:00	000:00	000:26	765 D/C Khavda PS – Bhuj PS Ckt-2 Tripped on Distance protection operated in the Y-phase to Ground fault Distance at 75.4 Km Readiness mail has been sent at 16:55 Hrs. Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 17:25 Hrs. Charging Code: WRLDC 999 NLDC 634	
330 MVAR 765kV Bus reactor-1 at Khavda	11-07-2024 13:51	11-07-2024 18:34	004:43	000:00	000:00	000:00	330 MVAR 765kV Bus reactor-1 at Khavda Emergency Shutdown has been taken for RPRR B-PH Persist alarm rectification work. Changeover done from B-Ph to R-Ph. as RPRR alarm continuous persist after physically attend due to mechanical issue Readiness mail has been sent at 18:04 Hrs. on.11.07.2024 Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 18:34 Hrs. Outage Code : WRLDC : 1226 NLDC : 765. Charging Code : WRLDC 1260 NLDC 788	99.37%
330 MVAR 765kV Bus reactor-1 at Khavda	11-07-2024 18:34	11-07-2024 19:28	000:00	000:00	000:00	000:54	330 MVAR 765kV Bus reactor-1 at Khavda Emergency Shutdown has been taken for RPRR B-PH Persist alarm rectification work. Changeover done from B-Ph to R-Ph. as RPRR alarm continuous persist after physically attend due to mechanical issue Readiness mail has been sent at 18:04 Hrs. on.11.07.2024 Acknowledging the additional 30 minutes allocated for the code process, the updated restoration time is set to be 18:34 Hrs. Outage Code : WRLDC : 1226 NLDC : 765. Charging Code : WRLDC 1260 NLDC 788	
125 MVAR 420kV Bus reactor-1 at Khavda	07-08-2024 10:40	31-08-2024 23:59	000:00	589:19	000:00	000:00	125 MVAR BR Out Of Service Till Now Due to Voltage Regulation Outage Code : WRLDC - 742	100%
765/400kV 1500 MVA ICT-3 at Khavda	12-08-2024 20:12	13-08-2024 06:44	000:00	000:00	000:00	010:32	765/400kV 1500 MVA ICT-3 taken Shutdown for Bus Bar Stability test of Bay 412 Future (RTM 3) Line. Planned shut down availed by other agency for maintenance or construction of their transmission system causing outage of Licensee elements. Shutdown Code WRLDC - 1370 NLDC -793 Charging Code WRLDC -1397 NLDC- 813	100%
125 MVAR 420kV Bus reactor-1 at Khavda	01-09-2024 00:01	03-09-2024 13:19	000:00	000:00	061:18	000:00	125 MVAR BR out for Voltage Regulation as per Grid Requirement Outage Code : WRLDC - 742 & Charging code: WRLDC -232	100%
125 MVAR 420kV Bus reactor-1 at Khavda	13-09-2024 09:25	21-09-2024 01:06	000:00	000:00	183:41	000:00	125 MVAR BR out for Voltage Regulation as per Grid Requirement Outage Code : WRLDC - 1300 & Charging code: WRLDC -2215	100%
125 MVAR 420kV Bus reactor-1 at Khavda	23-09-2024 11:30	25-09-2024 02:10	000:00	000:00	038:40	000:00	125 MVAR BR out for Voltage Regulation as per Grid Requirement Outage Code : WRLDC - 2492 & Charging code: WRLDC - 2748	100%
765 D/C Khavda PS – Bhuj PS Ckt-1	30-12-2024 19:18	31-12-2024 04:56	000:00	000:00	000:00	009:38	765 D/C Khavda PS – Bhuj PS Ckt-1 Planned Shutdown taken by Project Team for Stringing of OPGW 765kV D/C KPS1 to KPS2 Transmission line existing work. Line shutdown taken to facilitate construction activities of new system being executed by Licensee Outage Code WRLDC-5247 NLDC-4184 Charging Code WRLDC -5297 NLDC- 4216.	100%
765 D/C Khavda PS – Bhuj PS Ckt-2	09-12-2024 19:12	10-12-2024 02:58	007:46	000:00	000:00	000:00	765 D/C Khavda PS – Bhuj PS Ckt-2 Shutdown taken by Project Team for Jumper Reactification & hardware fitting installation work. Outage Code WRLDC-1376 NLDC-1168 Charging Code WRLDC -1425 NLDC- 1190.	98.96%
765 D/C Khavda PS – Bhuj PS Ckt-2	28-12-2024 19:25	29-12-2024 00:09	000:00	000:00	000:00	004:44	765 D/C Khavda PS – Bhuj PS Ckt-1 Planned Shutdown taken by Project Team for Stringing of OPGW 765kV D/C KPS1 to KPS2 Transmission line existing work. Line shutdown taken to facilitate construction activities of new system being executed by Licensee Outage Code WRLDC-5004 NLDC-3929 Charging Code WRLDC -5037 NLDC- 3955.	
765/400kV 1500 MVA ICT-3 at Khavda	25-01-2025 16:49	25-01-2025 18:03	001:14	000:00	000:00	000:00	765/400kV 1500 MVA ICT-3 Tripped due to ongoing augmentation project testing activity so Bus selection relay deselected of ICT bay its leads for backup impedance relay protection operated & extend to trip command for group relay 86A & 86B : Charging Code WRLDC 3941 NLDC 3451.	99.83%
330 MVAR 765kV Bus reactor-1 at Khavda	28-01-2025 09:00	28-01-2025 19:28	010:28	000:00	000:00	000:00	330 MVAR 765kV Bus reactor-1 at Khavda Shutdown taken by KPS1 for annual maintenance & testing work . Outage Code WRLDC-4256 NLDC-3769 Charging Code WRLDC -4318 NLDC- 3843.	97.46%

Element Name	Outage	Restoration	Duration of Outage Attributable to				Reason of Outage	% Availability
	Date Time	Date Time	Inter-State Transmission Licensee Hrs:Min	Others Hrs:Min	System constraint/ Natural calamity/ Militancy Hrs:Min	Deemed Available Hrs:Min		
330 MVAR 765kV Bus reactor-1 at Khavda	29-01-2025 08:52	29-01-2025 17:20	008:28	000:00	000:00	000:00	330 MVAR 765kV Bus reactor-1 at Khavda Shutdown taken by KPS1 for RTV Coating work for 765KV Bushing of Reactor. Outage Code WRLDC-4571 Charging Code WRLDC - 4671	97.40%
125 MVAR 420kV Bus reactor-1 at Khavda	30-01-2025 08:52	30-01-2025 18:11	009:19	000:00	000:00	000:00	125 MVAR 420kV Bus reactor-1 at Khavda Shutdown taken for Annual maintenance and Testing activity as per schedule. Outage Code : WRLDC - 4571 & Charging code: WRLDC - 4671 As the Readiness time is 17:41Hrs. so the reference time taken after considering the 30 minutes for the code process is 18:11 Hrs.	98.75%
125 MVAR 420kV Bus reactor-1 at Khavda	30-01-2025 18:11	30-01-2025 20:46	000:00	000:00	000:00	002:35	125 MVAR 420kV Bus reactor-1 at Khavda Shutdown taken for Annual maintenance and Testing activity as per schedule. Outage Code : WRLDC - 4571 & Charging code: WRLDC - 4671 As the Readiness time is 17:41Hrs. so the reference time taken after considering the 30 minutes for the code process is 18:11 Hrs.	
125 MVAR 420kV Bus reactor-1 at Khavda	14-02-2025 10:45	28-02-2025 23:59	000:00	000:00	000:00	349:14	Discharged due to voltage regulation Discharge code:-(WRLDC-2036)	100%
765/400kV 1500 MVA ICT-1 at Khavda	21-02-2025 12:46	21-02-2025 13:10	000:24	000:00	000:00	000:00	Tripped due to P141 Relay operated on the 33KV Neutral voltage displacement protection. Charging Code WRLDC 3150 NLDC 2994.	99.94%
765 D/C Khavda PS – Bhuj PS Ckt-1	21-02-2025 12:46	21-02-2025 13:20	000:34	000:00	000:00	000:00	At that time 765 kV Bus-1 was in shutdown for HV testing and bus bar stability of the 765 kV KPS 1 augmentation element. Bhuj Ckt-1 was charged through the tie breaker in the same dia as ICT-1, When ICT-1 was tripped on NVD protection. This led to the line breaker tripping at Khavda, but the line remained charged through Bhuj. Charging code: WRLDC - 3151 & NLDC 2995.	99.92%
125 MVAR 420kV Bus reactor-1 at Khavda	01-03-2025 00:00	04-03-2025 17:43	000:00	089:43	000:00	000:00	400kv 1*125Mvar Bus reactor discharged as per WRLDC requirement for voltage regulation	100%
765/400kV 1500 MVA ICT-1 at Khavda	15-03-2025 08:53	15-03-2025 10:20	001:27	000:00	000:00	000:00	ICTs 1,2 & 3 along with PSS1,2&3 were tripped simultaneously on the Backup Impedance protection due to the loss of the all 3 VT inputs after the 400 KV Bus-1 section-1 was taken shutdown for the RTM-1 Bus integration activity. Issue was observed in the ICT-1 voltage selection relay 75A, which was not supposed to be picked up. As soon as 400 KV Bus-1 section-1 was dead, through this relay Bus-1 PT was back feed from its secondary terminal which in turn overloaded the PT MCB and tripped the only available Bus-2 PT source MCB resulting to the loss of VT.	97.93%
765/400kV 1500 MVA ICT-1 at Khavda	21-03-2025 19:41	22-03-2025 03:47	008:06	000:00	000:00	000:00	765/400kV 1500 MVA ICT-1 shutdown taken for Annual Maintenance and testing work taken by KPS1.	
765/400kV 1500 MVA ICT-1 at Khavda	22-03-2025 19:02	23-03-2025 00:51	005:49	000:00	000:00	000:00	765/400kV 1500 MVA ICT-1 shutdown taken for Annual Maintenance and testing work taken by KPS1.	
765/400kV 1500 MVA ICT-2 at Khavda	15-03-2025 08:53	15-03-2025 10:32	001:39	000:00	000:00	000:00	ICTs 1,2 & 3 along with PSS1,2&3 were tripped simultaneously on the Backup Impedance protection due to the loss of the all 3 VT inputs after the 400 KV Bus-1 section-1 was taken shutdown for the RTM-1 Bus integration activity. Issue was observed in the ICT-1 voltage selection relay 75A, which was not supposed to be picked up. As soon as 400 KV Bus-1 section-1 was dead, through this relay Bus-1 PT was back feed from its secondary terminal which in turn overloaded the PT MCB and tripped the only available Bus-2 PT source MCB resulting to the loss of VT.	97.84%
765/400kV 1500 MVA ICT-2 at Khavda	24-03-2025 19:17	25-03-2025 04:11	008:54	000:00	000:00	000:00	765/400kV 1500 MVA ICT-2 shutdown taken for Annual Maintenance and testing work taken by KPS1.	
765/400kV 1500 MVA ICT-2 at Khavda	25-03-2025 19:13	26-03-2025 00:42	005:29	000:00	000:00	000:00	765/400kV 1500 MVA ICT-2 shutdown taken for Annual Maintenance and testing work taken by KPS1.	
765/400kV 1500 MVA ICT-3 at Kahvda	15-03-2025 08:53	15-03-2025 10:03	001:10	000:00	000:00	000:00	ICTs 1,2 & 3 along with PSS1,2&3 were tripped simultaneously on the Backup Impedance protection due to the loss of the all 3 VT inputs after the 400 KV Bus-1 section-1 was taken shutdown for the RTM-1 Bus integration activity. Issue was observed in the ICT-1 voltage selection relay 75A, which was not supposed to be picked up. As soon as 400 KV Bus-1 section-1 was dead, through this relay Bus-1 PT was back feed from its secondary terminal which in turn overloaded the PT MCB and tripped the only available Bus-2 PT source MCB resulting to the loss of VT.	98.66%
765/400kV 1500 MVA ICT-3 at Kahvda	26-03-2025 19:12	27-03-2025 04:02	008:50	000:00	000:00	000:00	765/400kV 1500 MVA ICT-3 shutdown taken for Annual Maintenance and testing work taken by KPS1.	

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