

SCHEDULE-I- AC Transmission Line / ICT / Static Var Compensator / Series Compensator/HVDC (Back to Back Stations and Bi-Pole Links)/ Line Reactors/ Bus Reactors Outage Details for the FY April-2024- March-2025.

Element Name	Outage		Restoration		Duration of Outage Attributable to				Reason of Outage	Availability (%)
	Date	Time	Date	Time	Inter-State Transmission Licensee	Others	System Constraint/Natural Calamity/ Militancy	Deemed Available		
					Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min		
Apr-24										
400kV SUGEN-JHANOR	06/04/2024	16:48	06/04/2024	18:26	00:00	01:38	00:00	00:00	RTU panel commissioning activity at NTPC Gandhar end	100%
400kV SUGEN-JHANOR	17/04/2024	14:29	17/04/2024	17:07	00:00	02:38	00:00	00:00	Fault I R & B Phase at 86.2/93.8 KM from SUGEN	
400kV UNOSUGEN-PIRANA	20/04/2024	08:59	21/04/2024	23:43	00:00	14:44	00:00	00:00	GIS Bus Outage for ICT 4 GIS Adaptor installation at TPL Sugan end	
400kV PIRANA-PIRANA(PG) I	27/04/2024	06:17	27/04/2024	09:22	00:00	03:05	00:00	00:00	Power Quality Analyser meter instalation at TPL Pirana end	
400kV UNOSUGEN-PIRANA	30/04/2024	08:57	30/04/2024	21:50	00:00	12:53	00:00	00:00	GIS Bus Outage for ICT 4 GIS Adaptor installation at TPL Sugan end	
May-24										
400kV SUGEN-VAPI	01/May/24	12:25	01/May/24	14:46	02:21	00:00	00:00	00:00	In Line hot spot attending job by TPGL.	99.99%
400kV SUGEN-PIRANA	08/May/24	09:14	08/May/24	18:49	00:00	09:35	00:00	00:00	Hot line washing work at TPL SUGEN end.	
400kV SUGEN-JHANOR	09/May/24	08:35	09/May/24	14:46	00:00	06:11	00:00	00:00	GIS bus outage for ICT 4 GIS adaptor installation at TPL SUGEN end.	
400kV SUGEN-VAPI	10/May/24	06:24	10/May/24	10:12	00:00	03:48	00:00	00:00	GIS bus outage for ICT 4 GIS adaptor installation at TPL SUGEN end	
400kV UNOSUGEN-PIRANA	12/May/24	08:51	13/May/24	22:25	00:00	13:34	00:00	00:00	GIS bus outage for ICT 4 GIS adaptor installation at TPL SUGEN end	
400 KV UNOSUGEN-PIRANA LINE	16/May/24	10:46	17/May/24	19:28	00:00	08:42	00:00	00:00	GIS bus outage for ICT 4 GIS adaptor installation at TPL SUGEN end.	
400kV PIRANA-PIRANA(PG) I	23-05-2024	00:56	23-05-2024	06:57	00:00	06:01	00:00	00:00	Hotspot Attending Work- TPL_ Ahmedabad substation end.	
400kV PIRANA-PIRANA(PG) II	23/May/24	08:31	23/May/24	10:58	00:00	02:27	00:00	00:00	Power Quality Meter Installation Work at PGCIL Substation end.	
400 KV UNOSUGEN-PIRANA LINE	26/May/24	08:22	26/May/24	16:56	00:00	08:34	00:00	00:00	ICT -4 busbar integration and SCADA update at TPL SUGEN end.	
400kV SUGEN - UNOSUGEN	26/May/24	08:24	26/May/24	16:51	00:00	08:27	00:00	00:00	ICT -4 busbar integration and SCADA update at TPL SUGEN end.	
Jun-24										
400 KV UNOSUGEN-PIRANA LINE	02/Jun/24	08:48	02/Jun/24	11:45	00:00	00:00	00:00	02:57	Extended GIS bus for ICT#4 charging at TPL SUGEN end.	99.99%
400 KV SUGEN-UNOSUGEN LINE	02/Jun/24	09:14	02/Jun/24	11:34	00:00	00:00	00:00	02:20	Extended GIS bus for ICT#4 charging at TPL SUGEN end.	
400 KV SUGEN VAPI LINE	14/Jun/24	08:35	24/Jun/24	20:09	00:00	11:34	00:00	00:00	Line modification work by Powergrid for NHAI	
400kV PIRANA-PIRANA(PG) I	24/Jun/24	22:00	25/Jun/24	03:20	05:20	00:00	00:00	00:00	Y-Phase insulator string replacement work on tower No 624B by TPGL.	
400kV SUGEN-JHANOR	29/Jun/24	05:34	29/Jun/24	05:34	00:00	00:00	00:00	00:00	Auto reclosure operated successfully. May be transient fault.	
Jul-24										
400kV SUGEN-JHANOR	19/Jul/24	02:31	19/Jul/24	02:31	00:00	00:00	00:00	00:00	Auto reclosure - (Fault indication is 38.3Km from SUGEN (PGCIL Jurisdiction) and TPGL's jurisdiction is 12Km.	99.96%
400kV SUGEN-JHANOR	20/Jul/24	05:04	20/Jul/24	05:04	00:00	00:00	00:00	00:00	Auto reclosure - (Fault indication is 37.7Km from SUGEN (PGCIL Jurisdiction) and TPGL's jurisdiction is 12Km.	
400kV SUGEN - UNOSUGEN	21/Jul/24	05:50	21/Jul/24	17:13	11:23	00:00	00:00	00:00	At Tower 438, Y phase insulator was damaged.	
400kV SUGEN-JHANOR	24/Jul/24	08:50	24/Jul/24	20:09	00:00	11:19	00:00	00:00	Y Phase line reactor relay mal-operation during maintenance work by NTPC Jhanor team at Jhanor end.	

Element Name	Outage		Restoration		Duration of Outage Attributable to				Reason of Outage	Availability (%)
	Date	Time	Date	Time	Inter-State Transmission Licensee	Others	System Constraint/Natural Calamity/ Militancy	Deemed Available		
					Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min		
Aug-24										
400kV UNOSUGEN-PIRANA	01/Aug/24	09:31	01/Aug/24	17:44	00:00	08:13	00:00	00:00	Line Outage taken for GIS PSD setting checking by TPL SUGEN at UNSUGEN end.	100%
400kV SUGEN-PIRANA	02/Aug/24	08:28	02/Aug/24	18:15	00:00	09:47	00:00	00:00	Line Outage taken for GIS PSD setting checking by TPL SUGEN at UNSUGEN end.	
400kV SUGEN-VAPI	06/Aug/24	09:26	06/Aug/24	17:25	00:00	07:59	00:00	00:00	Third party meter calibration job at TPL SUGEN end.	
400kV SUGEN-VAPI	26/Aug/24	00:13	26/Aug/24	00:13	00:00	00:00	00:00	00:00	Auto reclosure - (Fault indication is 84.5Km from SUGEN (PGCIL Jurisdiction)	
400kV SUGEN-PIRANA	31/Aug/24	07:29	31/Aug/24	09:20	00:00	00:00	00:00	01:51	Broken insulator checking on Tower No 392 from top.	
400kV UNOSUGEN-PIRANA	31/Aug/24	09:31	31/Aug/24	13:17	00:00	00:00	00:00	03:46	R-Phase (Top) polymeric insulator replacement work on tower No.392	
Sep-24										
400kV SUGEN-PIRANA	02/Sep/24	08:41	03/Sep/24	01:41	00:00	17:00	00:00	00:00	ABT meter replacement work at TPL-Pirana SS end.	100%
400kV SUGEN-PIRANA	04/Sep/24	12:26	04/Sep/24	17:59	00:00	05:33	00:00	00:00	PSD card replacement Job at TPL -Sugen end.	
400kV UNOSUGEN-PIRANA	08/Sep/24	03:33	08/Sep/24	05:23	00:00	01:50	00:00	00:00	Line tripped from Pirana end:Auto Reclose Operated unsuccessfull from TPL Pirana SS end and line was charged from TPL Sugan end.	
400kV PIRANA-PIRANA(PG) I	10/Sep/24	08:44	10/Sep/24	13:34	00:00	04:50	00:00	00:00	ABT meter replacement work at TPL-Pirana SS end.	
400kV PIRANA-PIRANA(PG) I	10/Sep/24	15:03	10/Sep/24	16:01	00:00	00:58	00:00	00:00	VT fuse replacement work at TPLPirana end.	
400kV PIRANA-PIRANA(PG) II	10/Sep/24	16:16	10/Sep/24	20:13	00:00	03:57	00:00	00:00	ABT meter replacement work at TPL-Pirana SS end.	
Oct-24										
400kV SUGEN-JHANOR	03/Oct/24	08:23	03/Oct/24	18:37	00:00	10:14	00:00	00:00	Line outage for Meter Calibration Job at TPL Sugan end .NTPC has taken Opportunity base outage HAS TAKEN OPPORTUNITY for lines alignment job.	100%
400kV SUGEN-VAPI	17/Oct/24	11:51	18/Oct/24	00:27	00:00	12:36	00:00	00:00	Line outage for far end BUSBAR and LBB protection testing job at PGCIL substation End.	
400kV SUGEN-PIRANA	18/Oct/24	09:08	18/Oct/24	18:31	00:00	09:23	00:00	00:00	Energy meter Calibration work at TPL Sugan end	
400kV SUGEN-VAPI	24/Oct/24	00:11	24/Oct/24	05:32	00:00	05:21	00:00	00:00	Line outage for LBB protection testing job at PGCIL Substation end.	

Element Name	Outage		Restoration		Duration of Outage Attributable to				Reason of Outage	Availability (%)
	Date	Time	Date	Time	Inter-State Transmission Licensee	Others	System Constraint/Natural Calamity/ Militancy	Deemed Available		
					Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min		
Nov-24										
400kV SUGEN-PIRANA	03/Nov/24	01:56	03/Nov/24	08:29	00:00	00:00	00:00	06:33	SUGEN PIRANA Line taken out on 01:56 hrs under grid code WR/146 For VOLTAGE CONTROL.	99.80%
400kV SUGEN-PIRANA	04/Nov/24	01:47	04/Nov/24	07:59	00:00	00:00	00:00	06:12	SUGEN PIRANA Line taken out on 01:47 hrs under grid code WR/196 For VOLTAGE CONTROL.	
400kV PIRANA-PIRANA(PG) II	05/Nov/24	05:38	05/Nov/24	08:54	03:16	00:00	00:00	00:00	Hotspot attending work at jumper Connector of PGCIL Pirana Gantry	
400kV UNOSUGEN-PIRANA	12/Nov/24	09:45	12/Nov/24	18:48	00:00	09:03	00:00	00:00	GIS Extension bus Isolator requires to open to attend ICT-4 Bus adaptor SF6 gas leak at Sugen end	
400kV SUGEN - UNOSUGEN	12/Nov/24	09:52	12/Nov/24	18:45	00:00	08:53	00:00	00:00	GIS Extension bus Isolator requires to open to attend ICT-4 Bus adaptor SF6 gas leak at Sugen end	
400kV SUGEN -UNOSUGEN	19/Nov/24	17:26	19/Nov/24	18:19	00:00	00:53	00:00	00:00	GIS bus outage to open Bus Isolator at TPL Sugen end .	
400kV SUGEN -UNOSUGEN	19/Nov/24	09:32	30/Nov/24	00:00	00:00	00:00	00:00	14:28	For Safety Purpose:Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL)-1	
400kV PIRANA-PIRANA(PG) I	19/Nov/24	09:32	30/Nov/24	00:00	00:00	00:00	00:00	14:28	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL KHAVDA project work).	
400kV SUGEN-PIRANA	30/Nov/24	17:44	30/Nov/24	20:50	00:00	03:06	00:00	00:00	Tripping: Cause-kite thread between tower no-477 & 478 was shorted. Autoreclosure disabled as a safety measure for restringing work between Pirana-Pirana # 2 and Pirana - SUGEN line are continue as part of Khavda project.	
Dec-24										
400kV UNOSUGEN-PIRANA	01/Dec/24	00:00	21/Dec/24	21:33	00:00	00:00	00:00	21:33	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL Khavda project work).	100%
400kV PIRANA-PIRANA(PG) I	01/Dec/24	00:00	21/Dec/24	20:58	00:00	00:00	00:00	20:58	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL Khavda project work).	
400kV SUGEN-JHANOR	20/Dec/24	11:36	20/Dec/24	14:46	00:00	03:10	00:00	00:00	Line tripped on distance protection. Distance from SUGEN end 49.6 KM.(PGCIL Jurisdiction))	
400kV PIRANA-PIRANA(PG) II	23/Dec/24	11:15	31/Dec/24	24:00	00:00	00:00	00:00	204:45	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL khavda project work).	
400kV SUGEN-PIRANA	23/Dec/24	10:37	31/Dec/24	24:00	00:00	00:00	00:00	205:23	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL Khavda project work).	
Jan-25										
400kV PIRANA-PIRANA(PG) II	01/Jan/25	00:00	10/Jan/25	16:06	00:00	00:00	00:00	16:06	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL khavda project work).Continouse outage since 23/12/2024	100%
400kV SUGEN-PIRANA	01/Jan/25	00:00	10/Jan/25	16:21	00:00	00:00	00:00	16:21	Re-conductoring work of 400 kV Pirana (PG)-Pirana (TPL) 1 (TPGL Khavda project work).Continouse outage since 23/12/2024	
400kV SUGEN-PIRANA	12/Jan/25	12:30	12/Jan/25	16:23	00:00	00:00	00:00	03:53	Line tripping: Cause-kite thread short between Tower no-240 & 241	
400kV SUGEN-PIRANA	14/Jan/25	10:48	14/Jan/25	12:45	00:00	00:00	00:00	01:57	Line tripping: Cause-kite thread short between Tower no-314 & 315	
400kV SUGEN-PIRANA	14/Jan/25	13:03	14/Jan/25	14:26	00:00	00:00	00:00	01:23	Line tripping: Cause-kite thread short between Tower no-480 & 481	
400kV SUGEN-PIRANA	14/Jan/25	14:48	14/Jan/25	16:05	00:00	00:00	00:00	01:17	Line tripping: Cause-kite thread between Tower no-352 & 353	
400kV SUGEN-PIRANA	14/Jan/25	22:18	15/Jan/25	07:27	00:00	00:00	00:00	09:09	Lne taken out for Voltage Control as per Instruction BY SLDC.	

100%

Element Name	Outage		Restoration		Duration of Outage Attributable to				Reason of Outage	Availability (%)
	Date	Time	Date	Time	Inter-State Transmission Licensee	Others	System Constraint/Natural Calamity/ Militancy	Deemed Available		
					Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min		
400kV SUGEN-PIRANA	15/Jan/25	09:44	15/Jan/25	10:53	00:00	01:09	00:00	00:00	Line tripping: Cause-kite thread short between Tower no-401 & 402	100%
400kV SUGEN - UNOSUGEN	15/Jan/25	16:34	15/Jan/25	17:57	00:00	01:23	00:00	00:00	For R Phase VT MCB replacement at TPL SUGEN end .	
400kV UNOSUGEN-PIRANA	15/Jan/25	14:15	15/Jan/25	15:36	00:00	00:00	00:00	01:21	Line tripping: Cause-kite thread short between Tower no-424 & 425	
400kV SUGEN-PIRANA	19/Jan/25	13:42	19/Jan/25	15:12	00:00	00:00	00:00	01:30	Line tripping: Cause-kite thread short between Tower no-621 & 622	
400kV UNOSUGEN-PIRANA	27/Jan/25	09:16	27/Jan/25	12:20	00:00	03:04	00:00	00:00	GIS bus extended isolator operation for ICT-4 BAY gas filling at TPL UNOSUGEN end	
400kV SUGEN - UNOSUGEN	27/Jan/25	09:17	31/Jan/25	18:18	00:00	09:01	00:00	00:00	ISOLATORS COATING WORKS at TPL SUGEN end	
400kV PIRANA-PIRANA(PG) I	30/Jan/25	09:18	31/Jan/25	00:00	00:00	00:00	00:00	14:42	Replacement of CB/CT/WT and HCB Isolator and testing of equipments local/remote both end.Continue outage till 13-02-2024	
400kV UNOSUGEN-PIRANA	31/Jan/25	12:41	31/Jan/25	15:10	00:00	02:29	00:00	00:00	GIS BUS EXTENDED ISOLATOR OPERATION FOR ICT-4 NORMALIZATIONat TPL SUGEN end	
Feb-25										
400kV PIRANA-PIRANA(PG) I	01/Feb/25	00:00	21/Feb/25	04:22	00:00	00:00	00:00	484:22	Replacement of CB, CT, WT and HCB Isolator and testing of equipments from local and both remote both ends. Continue outage from 30-01-2024 for TPGL Khavada project (LILo of Pirana (TPL)-Pirana (PG) line).	100%
400kV SUGEN-PIRANA	21/Feb/25	09:10	23/Feb/25	16:22	00:00	55:12	00:00	00:00	for HVIC coating job at SUGEN end.	
400kV SUGEN-JHANOR	24/Feb/25	09:49	27/Feb/25	19:44	00:00	81:55	00:00	00:00	for HVIC coating job at SUGEN end.	
400kV PIRANA-PIRANA(PG) II	26/Feb/25	17:49	26/Feb/25	21:03	00:00	03:14	00:00	00:00	Hotspot attending work at CT Connector at TPL Pirana Substation.	
400kV PIRANA-PIRANA(PG) I	27/Feb/25	10:17	28/Feb/25	00:00	00:00	00:00	00:00	13:43	CT summation & Jack Bus replacement at PGCIL end. 400 kV Pirana (PG)-Pirana (TPL)-1 (TPGL Khavda project work). Continue outage till 01-03-2024	
400kV SUGEN-JHANOR	28/Feb/25	12:13	28/Feb/25	15:29	00:00	03:16	00:00	00:00	Line tripped on distance protection , From SUGEN - 21.9 KM) , R phase to G (Fault current – 7.48 KA, Auto reclosure operated at PGCIL Jurisdiction.	

Element Name	Outage		Restoration		Duration of Outage Attributable to				Reason of Outage	Availability (%)
	Date	Time	Date	Time	Inter-State Transmission Licensee	Others	System Constraint/Natural Calamity/ Militancy	Deemed Available		
					Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min		
Mar-25										
400kV SUGEN-VAPI	05/Mar/25	12:47	05/Mar/25	12:54	00:00	00:00	00:07	00:00	Line taken out for maintenance by TPL SUGEN, but due to high loading, same was taken into service at TPL sugen end.	100%
400kV SUGEN-VAPI	11/Mar/25	11:25	12/Mar/25	15:59	00:00	28:34	00:00	00:00	for HVIC coating job at SUGEN end.	
400kV PIRANA-PIRANA (PG) I	01/Mar/25	00:00	01/Mar/25	20:57	00:00	00:00	00:00	20:57	CT summation & Jack Bus replacement at PGCIL end. 400 kV Pirana (PG)-Pirana (TPL)-1 (TPGL Khavda project work).Continue outage from 28-02-2025	
400kV PIRANA-PIRANA (PG) II	06/Mar/25	20:21	06/Mar/25	23:47	00:00	03:26	00:00	00:00	Hotspot attending work of R-Phase connector down dropper at TPL Pirana end.	
400kV UNOSUGEN-PIRANA	12/Mar/25	14:51	12/Mar/25	15:55	00:00	00:00	01:04	00:00	Tripped on directional over current Cause: South Gujarat Grid disturbance	
400kV SUGEN-PIRANA	12/Mar/25	14:51	12/Mar/25	15:55	00:00	00:00	01:04	00:00	Tripped on directional over current Cause: South Gujarat Grid disturbance	
400 KV SUGEN-PIRANA LINE	12/Mar/25	15:19	12/Mar/25	16:04	00:00	00:00	00:45	00:00	Sugen end breaker was opened manually (unintended Trippings at Pirana Substation)	
400 KV SUGEN-PIRANA LINE	12/Mar/25	15:48	12/Mar/25	15:51	00:00	00:00	00:03	00:00	Line trip on overvoltage at SUGEN end . (unintended Trippings at Pirana Substation)	
400 KV UNOSUGEN-PIRANA LINE	12/Mar/25	15:37	12/Mar/25	18:24	00:00	00:00	02:47	00:00	SUGEN end breaker was opened manually, Line charged (unintended Trippings at Pirana Substation)	
400 KV UNOSUGEN-PIRANA LINE	12/Mar/25	14:51	12/Mar/25	15:55	00:00	00:00	01:04	00:00	TPL Pirana substation end breaker was opened manually. (unintended Trippings at Pirana Substation)	
400 KV SUGEN-JHANOR LINE	12/Mar/25	15:40	12/Mar/25	18:24	00:00	00:00	02:44	00:00	Gandhar substation breaker opened and SUGEN end breaker was opened manually. (unintended Trippings at NTPC Gandgar End)	
400 KV SUGEN-UNOSUGEN LINE	12/Mar/25	15:37	12/Mar/25	16:37	00:00	00:00	01:00	00:00	Line trip on over voltage at SUGEN end . (unintended Trippings at SUGEN Substation)	
400 KV SUGEN VAPI LINE	12/Mar/25	15:59	12/Mar/25	16:14	00:00	00:00	00:15	00:00	"BLACK OUT EMERGENCY EVENT" Line tripped on overvoltage at SUGEN end , Same line was charged from PGCIL end and then at SUGEN end. (unintended Trippings at PGCIL Substation)	
400 KV SUGEN-UNOSUGEN LINE	12/Mar/25	16:04	12/Mar/25	16:33	00:00	00:00	00:29	00:00	Line was tripped on overvoltage at SUGEN end. (unintended Trippings at SUGEN Substation)	
400kV SUGEN-PIRANA	15/Mar/25	02:02	15/Mar/25	07:19	00:00	00:00	00:00	05:17	High Voltage Control by SLDC.	
400kV SUGEN-PIRANA	21/Mar/25	19:47	22/Mar/25	07:12	00:00	11:25	00:00	00:00	R-PH LA replacement work at TPL SUGEN end.	
400kV SUGEN-PIRANA	24/Mar/25	13:01	24/Mar/25	13:40	00:00	00:00	00:00	00:39	Flashover spot was observed on conductor, Suspected fault was kite thread on Y-phase conductor between towers 322 and 323.	
400kV UNOSUGEN-PIRANA	24/Mar/25	13:24	24/Mar/25	14:01	00:00	00:00	00:00	00:37	Flashover spot was observed on conductor, Suspected fault was kite thread on Y-phase conductor between towers 322 and 323.	
400kV SUGEN-PIRANA	24/Mar/25	13:54	24/Mar/25	15:43	00:00	00:00	00:00	13:49	Flashover spot was observed on conductor, Suspected fault was kite thread on Y-phase conductor between towers 322 and 323.	
400 KV SUGEN VAPI LINE	30/Mar/25	11:41	30/Mar/25	12:09	00:00	00:28	00:00	00:00	Line was tripped on distanace protection. Distance from SUGEN end 91.2 KM. (Fault in PGCIL Jurisdiction)	
400 KV SUGEN VAPI LINE	30/Mar/25	12:19	30/Mar/25	15:50	00:00	03:31	00:00	00:00	Line was tripped on distanace protection. Distance from SUGEN end 83.2 KM. (Fault in PGCIL Jurisdiction)	

SCHEDULE-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

SCHEDULE-III- Details of compesation paid by the inter-state Transmission Licensee

Element Name	Violation of Regulation 5 (a)		Violation of Regulation 5 (b)		Compensation paid (in Rs.)
	% Availability prescribed	Actual % Availability	Restoration time prescribed (in days)	Actual restoration time (in days)	
NIL					
Total					

SCHEDULE-V Data to be compiled by the Inter-State Transmission Licensees

Sl. No.	Types of Failure	Restoration Time (Days)		
A. Elements of the Transmission Line for Single Circuit (S/C), Double Circuit (D/C) and Multi-Circuit (M/C) towers for each kV class separately				
	Particulars	Terrain Type		
		Plain	River Bed	Hilly
1	Insulator failure			
	(i) Insulator failure in Single Phase _ 400kV		NA	NA
	(a) June 24 -400kV PIRANA-PIRANA(PG) I Line - Location No. 624B	0.22		
	(b) Jul-2024 -400 kV Unosugen Pirana Line - Location No.438	0.47		
	(ii) Insulator failure in two Phases	NIL	NA	NA
	(iii) Insulator failure in three Phases	NIL	NA	NA
2	Tower after collapse by Emergency Restoration System (ERS) for S/C, D/C and M/C separately	NIL	NA	NA
3	Tower after collapse without Emergency Restoration System (ERS) for S/C, D/C and M/C separately	NIL	NA	NA
4	Tower damage (not collapse)			
	One arm damage	NIL	NA	NA
	Two arms damage	NIL	NA	NA
5	Snapping of phase condcutor			
	Conductor snapping in Single phase	NIL	NA	NA
	Conductor snapping in two phase	NIL	NA	NA
	Conductor Snapping in three phases	NIL	NA	NA
6	Failure of earth wire	NIL	NA	NA
7	Insulator failure with conductor snapping	NIL	NA	NA
8	Any other combination of failures	NIL	NA	NA
B. Elements of the sub-station for each kV class separately				
1	Failure of Inter Connecting Transformers (ICTs)			
	Restoration of the failed ICT			
	Other major failures in ICTs	Single Phase unit	Three Phase unit	
	(i) Replacement of faulty bushings	NA	NA	NA
	(ii) Replacemen of failed /blasted bushings	NA	NA	NA
	(iii) Replacement of faulty tap chargers	NA	NA	NA
	Failure of Reactors			
	Restoration of the failed reactor	NA	NA	NA