Provisional Availability Calculation for the Period : From 01.01.2025 To 31.01.2025 (Powerlinks' Lines)

a. Intra-regional element - NR

Sl. No.	Element Code	Element Name	Total Available Hours	Duration Of Outage Attributable to Powerlinks (OH)	Attributable to Powergrid & others (exclude the outage system constraints)		Outage not to be taken into consideration			Total Duration Available for Consideration (THM)	NSC	Ckt. km	OHxNSCxCkt kMs	THMxNSCxCkt kMs	Non Availability Factor/Month (NAFM)	Transmission System Availability Factor (TAFM)	Outage Percentage
							NC	Grid Incident /System constraints	Deemed Available								
A	B	C	D	E	F		G	H	--	I=D-G-H	J	K	L=ExJxK	M=IxJxK	N=L/M	O=100-100xNAFM	P=NAFM%
-	-	-	Hours	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Nos.	kms	-				-
Powerlinks Intra-Regional Lines																	
1	PTL400NR15	400kV BLY(PGCIL)-MRT(PGCIL)-I	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	183.322	0.00	11365.964	0.00	100.00%	0.00%
2	PTL400NR13	400kV BLY(PGCIL)-MRT(PGCIL)-II	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	183.322	0.00	11365.964	0.00	100.00%	0.00%
3	PTL400NR16	400kV MRT(PGCIL)-MND(PGCIL)-III	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	47.509	0.00	2945.558	0.00	100.00%	0.00%
3	PTL400NR14	400kV MRT(PGCIL)-MND(PGCIL)-IV	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	47.509	0.00	2945.558	0.00	100.00%	0.00%
4	PTL400NR09	400kV BLY(UPPCL)-BLY(PGCIL)-I	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	5.126	0.00	317.812	0.00	100.00%	0.00%
5	PTL400NR10	400kV BLY(UPPCL)-BLY(PGCIL)-II	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	5.126	0.00	317.812	0.00	100.00%	0.00%
6	PTL400NR07	400kV GKP-LKO-I	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	245.905	0.00	15246.11	0.00	100.00%	0.00%
7	PTL400NR08	400kV GKP-LKO-II	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	744:00:00	2	245.905	0.00	15246.11	0.00	100.00%	0.00%
				0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	5952:00:00			0.00	59750.888	0.00	100.00%	0.00%
		Availability of Intra-Regional Powerlinks Lines				**100.00%**											

b. Inter-regional element (ER - NR)

Sl. No.	Element Code	Element Name	Total Available Hours	Duration Of Outage Attributable to Powerlinks (OH)	Attributable to Powergrid & others (exclude the outage system constraints)		Outage not to be taken into consideration			Total Duration Available for Consideration (THM)	NSC	Ckt. kMS.	OHxNSCxCkt kMs	THMxNSCxCkt kMs	Non Availability Factor/Month (NAFM)	Transmission System Availability Factor (TAFM)	Outage Percentage
							NC	Grid Incident /System constraints	Deemed Available								
A	B	C	D	E	F		G	H	--	I=D-G-H	J	K	L=ExJxK	M=IxJxK	N=L/M	O=100-100xNAFM	P=NAFM%
-	-	-	Hours	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Hrs:Min	Nos.	kms	-				-
Powerlinks Inter-Regional Lines																	
1	PTL400IR05	400kV GKP-MZP-1	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	00:00:00	744:00:00	4	260.399	0.00	32289.476	0.00	100.00%	0.00%
2	PTL400IR06	400kV GKP-MZP-2	744:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	00:00:00	744:00:00	4	260.399	0.00	32289.476	0.00	100.00%	0.00%
				0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	00:00:00	1488:00:00			0.00	64578.95	0.00	100.00%	0.00%
		Availability of Inter-Regional Powerlinks Lines				**100.00%**											

Availability Calculation for the month of January'25 for Powerlink Lines in ER

	Element Nar	Attributable to PL		Attributable to Others	Act of God/Grid Incident		Outage Under the Category of Deemed available		Total Outage		Ti	TNAi	Wi (SIL*Ckt Km)	Wi(Ti-TNAi)/Ti	100*Wi(Ti-TNAi)/(Ti*Wi)		
		Hrs	Mins	Hrs	Hrs	Mins	Hrs	Min	Hrs	Min	Hrs	Hrs					
	400 KV NSLG	0	0	0	0	0	0	0			744.0	0.00	64088.856	64088.9	100.000		
	400 KV NSLG	0	0	0	0	0	0	0	0	0	744.0	0.00	64088.856	64088.9	100.000		
	400 KV KSNE	0	0	0	0	0	0	0			744.0	0.00	45343.374	45343.4	100.000		
	400 KV KSNE	0	0	0	0	0	0	0	0	0	744.0	0.00	45343.374	45343.4	100.000		
	400 KV NPRN	0	0	0	0	0	0	0	0	0	744.0	0.00	125705.837	125705.8	100.000		
	400 KV NPRN	0	0	0	0	0	0	0	0	0	744.0	0.00	125705.837	125705.8	100.000		
	220 KV MUZ	0	0	0	0	0	0	0	0	0	744.0	0.00	3174.6	3174.6	100.000		
	220 KV MUZ	0	0	0	0	0	0	0	0	0	744.0	0.00	3174.6	3174.6	100.000		
		0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5952**		**476625.334**	**476625.334**	**800.000**		
	Availability	1.00000															
%	**Availability**	**100.000**															