

**Provisional Availability Calculation for the Period : From 01.06.2024 To 30.06.2024 (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 km	THMxNSCxCkt km	Non Availability Factor/Month (NAFM)	Transmission System Availability Factor (TAFM)	Outage Percentage								
					F			NC	Grid Incident /System constraints	Deemed Available									I=D-G-H	J	K	L=ExJxK	M=IxJxK	N=L/M	O=100-100xNAFM	P=NAFM%
					Hrs:Min	Hrs:Min	Hrs:Min																			
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	-	-	-	-	-	-								
<b>Powerlinks Intra-Regional Lines</b>																										
	PTL400NR15	400kV BLY(PGCIL)-MRT(PGCIL)-I	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	183.322	0.00	10999.32	0.00	100.00%	0.00%								
	PTL400NR13	400kV BLY(PGCIL)-MRT(PGCIL)-II	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	183.322	0.00	10999.32	0.00	100.00%	0.00%								
	PTL400NR16	400kV MRT(PGCIL)-MND(PGCIL)-I	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	47.509	0.00	2850.54	0.00	100.00%	0.00%								
	PTL400NR14	400kV MRT(PGCIL)-MND(PGCIL)-II	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	47.509	0.00	2850.54	0.00	100.00%	0.00%								
	PTL400NR09	400kV BLY(UPPCL)-BLY(PGCIL)-I	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	5.126	0.00	307.56	0.00	100.00%	0.00%								
	PTL400NR10	400kV BLY(UPPCL)-BLY(PGCIL)-II	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	5.126	0.00	307.56	0.00	100.00%	0.00%								
	PTL400NR07	400kV GKP-LKO-I	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	245.905	0.00	14754.3	0.00	100.00%	0.00%								
	PTL400NR08	400kV GKP-LKO-II	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	2	245.905	0.00	14754.3	0.00	100.00%	0.00%								
				0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	5760:00:00			0.00	57823.44	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 km	THMxNSCxCkt km	Non Availability Factor/Month (NAFM)	Transmission System Availability Factor (TAFM)	Outage Percentage								
					F			NC	Grid Incident /System constraints	Deemed Available									I=D-G-H	J	K	L=ExJxK	M=IxJxK	N=L/M	O=100-100xNAFM	P=NAFM%
					Hrs:Min	Hrs:Min	Hrs:Min																			
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	-	-	-	-	-	-								
<b>Powerlinks Inter-Regional Lines</b>																										
	1	PTL400IR05	400kV GKP-MZP-1	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	4	260.399	0.00	31247.88	0.00	100.00%	0.00%								
	2	PTL400IR06	400kV GKP-MZP-2	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	720:00:00	4	260.399	0.00	31247.88	0.00	100.00%	0.00%								
				0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	1440:00:00			0.00	62495.76	0.00	100.00%	0.00%								

**Availability of Inter-Regional Powerlinks Lines 100.00%**

**Availability Calculation for the month of June'24 for Powerlink Lines in ER**

Element Name	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)	W/(Ti-TNAI)/Ti	100*W/(Ti-TNAI)/(Ti*Wi)
	Hrs	Mins		Hrs	Mins	Hrs	Min	Hrs	Min					
1 400 KV NSLG-KSNE-I	0	0	0	0	0	0	0	0	0	720.0	0.00	64088.856	64088.9	100.000
2 400 KV NSLG-KSNE- II	0	0	0	0	0	0	0	0	0	720.0	0.00	64088.856	64088.9	100.000
3 400 KV KSNE-NPRN-I	0	0	0	0	0	0	0	0	0	720.0	0.00	45343.374	45343.4	100.000
3 400 KV KSNE-NPRN-II	0	0	0	0	0	0	0	0	0	720.0	0.00	45343.374	45343.4	100.000
4 400 KV NPRN-MUZ-I	0	0	0	0	0	0	0	0	0	720.0	0.00	125705.837	125705.8	100.000
5 400 KV NPRN-MUZ-II	5	19	0	0	0	0	0	5	19	720.0	5.32	125705.837	124777.6	99.262
6 220 KV MUZ-KANTI-I	0	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
7 220 KV MUZ-KANTI-II	0	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
	5	19	0	0	0	0	0	5	19	5760		476625.334	475697.0895	799.262

Availability 0.99805  
**% Availability 99.805**