

Provisional Availability Calculation for the Period : From 01.09.2024 To 30.09.2024 (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 kMs	THMxNSCxCkt kMs	Non Availability Factor/Month (NAFM)	Transmission System Availability Factor (TAFM)	Outage Percentage
					NC	Grid Incident /System constraints	Deemed Available	NC	Grid Incident /System constraints	Deemed Available								
A	B	C	D	E	F		G			I=D-G-H	J	K	L=EsJxK	M=IsJxK	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	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	2	183.322	0.00	10999.32	0.00	100.00%	0.00%	
2	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	2	183.322	0.00	10999.32	0.00	100.00%	0.00%	
3	PTL400NR16	400KV MRT(PGCIL)-MND(PGCIL)-III	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	2	47.509	0.00	2850.54	0.00	100.00%	0.00%	
3	PTL400NR14	400KV MRT(PGCIL)-MND(PGCIL)-IV	720:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	2	47.509	0.00	2850.54	0.00	100.00%	0.00%	
4	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	2	5.126	0.00	307.56	0.00	100.00%	0.00%	
5	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	2	5.126	0.00	307.56	0.00	100.00%	0.00%	
6	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	2	245.905	0.00	14754.3	0.00	100.00%	0.00%	
7	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	2	245.905	0.00	14754.3	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	NC	Grid Incident /System constraints	Deemed Available								
A	B	C	D	E	F		G			I=D-G-H	J	K	L=EsJxK	M=IsJxK	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	720:00:00	0:00:00	13:14:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	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	13:14:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	4	260.399	0.00	31247.88	0.00	100.00%	0.00%	
Availability of Inter-Regional Powerlinks Lines											100.00%							

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

Eler	Attributable to PL		Attributable to Others		Act of God/Grid	Outage Under the Category of Deemed		Total Outage		Ti	TNAi	Wi (SIL*Ckt Km)	Wi/(Ti-TNAi)/Ti	100*W/(Ti-TNAi)/(Ti*Wi)
	Hrs	Mins	Hrs	Mins		Hrs	Min	Hrs	Min					
400	0	0	0	0	0	0	0	0	0	720.0	0.00	64089	64088.9	100.000
400	0	0	0	0	0	0	0	0	0	720.0	0.00	64089	64088.9	100.000
400	0	0	0	0	0	0	0	0	0	720.0	0.00	45343	45343.4	100.000
400	0	0	0	0	0	0	0	0	0	720.0	0.00	45343	45343.4	100.000
400	0	0	0	0	0	0	0	0	0	720.0	0.00	125706	125705.8	100.000
400	0	0	0	0	0	0	0	0	0	720.0	0.00	125706	125705.8	100.000
220	0	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
220	0	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
	0	0	0	0	0	0	0	0	0	5760		476625	476625.334	800.000

Availability 1.00000
% Availability 100%