

Provisional Availability Calculation for the Period : From 01.09.2021 To 30.09.2021 (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	720.00	2.53	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	183.322	927.61	263983.68	0.00	99.65%	0.35%
2	PTL400NR13	400kV BLY(PGCIL)-MRT(PGCIL)-II	720.00	1.43	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	183.322	524.30	263983.68	0.00	99.80%	0.20%
3	PTL400NR16	400kV MRT(PGCIL)-MND(PGCIL)-III	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	47.509	0.00	68412.96	0.00	100.00%	0.00%
3	PTL400NR14	400kV MRT(PGCIL)-MND(PGCIL)-IV	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	47.509	0.00	68412.96	0.00	100.00%	0.00%
4	PTL400NR09	400kV BLY(UPPCL)-BLY(PGCIL)-I	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	5.126	0.00	7381.44	0.00	100.00%	0.00%
5	PTL400NR10	400kV BLY(UPPCL)-BLY(PGCIL)-II	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	5.126	0.00	7381.44	0.00	100.00%	0.00%
6	PTL400NR07	400kV GKP-LKO-I	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	245.905	0.00	354103.2	0.00	100.00%	0.00%
7	PTL400NR08	400kV GKP-LKO-II	720.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	720.00	2	245.905	0.00	354103.2	0.00	100.00%	0.00%
					0:00:00	0:00:00	0.00	0:00:00	0:00:00	0:00:00	5760.00			1451.91	1387762.56	0.00	99.90%	0.10%

Availability of Intra-Regional Powerlinks Lines

99.895%

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	720.00	0.00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	696.00	4	260.399	0.00	724950.816	0.00	100.00%	0.00%
2	PTL400IR06	400kV GKP-MZP-2	720.00	0.00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	696.00	4	260.399	0.00	724950.816	0.00	100.00%	0.00%
				0.00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	696.00			0.00	1449901.63	0.00	100.00%	0.00%

Availability of Inter-Regional Powerlinks Lines

100.000%

Availability Calculation for the month of September'2021 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		Ti	TNAi	Wi (SIL*Ckt Km)	Wi(Ti-TNAi)/Ti	100*Wi(Ti-TNAi)/(Ti*Wi)
	Hrs	Mins	Hrs	Mins	Hrs	Mins	Hrs	Min	Hrs	Hrs			
400 KV NSLG-KSNE-I	0	0	0	0	0	0	0	0	720.0	0.00	64088.9	64088.9	100.000
400 KV NSLG-KSNE- II	0	0	0	0	0	0	0	0	720.0	0.00	64088.9	64088.9	100.000
400 KV KSNE-NPRN-I	0	0	0	0	0	0	0	0	720.0	0.00	45343.4	45343.4	100.000
400 KV KSNE-NPRN-II	0	0	0	0	0	0	0	0	720.0	0.00	45343.4	45343.4	100.000
400 KV NPRN-MUZ-I	0	32	0	0	0	0	0	0	720.0	0.53	125706	125612.7	99.926
400 KV NPRN-MUZ-II	0	0	0	0	0	0	0	0	720.0	0.00	125706	125705.8	100.000
220 KV MUZ-KANTI-I	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
220 KV MUZ-KANTI-II	0	0	0	0	0	0	0	0	720.0	0.00	3174.6	3174.6	100.000
	0	32	0	0	0	0	0	0	5760		476625	476532.2186	799.926

Availability 0.99980
 % Availability **99.980**