

Availability Calculation for the month of October'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	744.0	0.00	64089	64088.9	100.000
400 KV NSLG-KSNE- II	0	0	0	0	0	0	0	0	744.0	0.00	64089	64088.9	100.000
400 KV KSNE-NPRN-I	0	0	0	0	0	0	0	0	744.0	0.00	45343	45343.4	100.000
400 KV KSNE-NPRN-II	0	0	0	0	0	0	0	0	744.0	0.00	45343	45343.4	100.000
400 KV NPRN-MUZ-I	4	21	0	0	0	0	0	0	744.0	4.35	125706	124970.9	99.415
400 KV NPRN-MUZ-II	11	1	0	0	0	0	0	0	744.0	11.02	125706	123844.5	98.519
220 KV MUZ-KANTI-I	0	0	0	0	0	0	0	0	744.0	0.00	3174.6	3174.6	100.000
220 KV MUZ-KANTI-II	0	0	0	0	0	0	0	0	744.0	0.00	3174.6	3174.6	100.000
	15	22	0	0	0	0	0	0	5952		476625	474028.99	797.935

Availability 0.99455

% Availability 99.455

Provisional Availability Calculation for the Period : From 01.10.2021 To 31.10.2021 (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	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	183.322	0.00	272783.136	0.00	100.00%	0.00%	
2	PTL400NR13	400KV BLY(PGCIL)-MRT(PGCIL)-II	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	183.322	0.00	272783.136	0.00	100.00%	0.00%	
3	PTL400NR16	400KV MRT(PGCIL)-MND(PGCIL)-III	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	47.509	0.00	70693.392	0.00	100.00%	0.00%	
3	PTL400NR14	400KV MRT(PGCIL)-MND(PGCIL)-IV	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	47.509	0.00	70693.392	0.00	100.00%	0.00%	
4	PTL400NR09	400KV BLY(UPPCL)-BLY(PGCIL)-I	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	5.126	0.00	7627.488	0.00	100.00%	0.00%	
5	PTL400NR10	400KV BLY(UPPCL)-BLY(PGCIL)-II	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	5.126	0.00	7627.488	0.00	100.00%	0.00%	
6	PTL400NR07	400KV GKP-LKO-I	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	245.905	0.00	365906.64	0.00	100.00%	0.00%	
7	PTL400NR08	400KV GKP-LKO-II	744.00	0.00	0:00:00	0:00:00	0.00	0:00:00	0:00:00	744.00	2	245.905	0.00	365906.64	0.00	100.00%	0.00%	
					0:00:00	0:00:00	0.00	0:00:00	0:00:00	5952.00			0.00	1434021.312	0.00	100.00%	0.00%	

Availability of Intra-Regional Powerlinks Lines

100.000%

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	0.00	0:00:00	0:00:00	0:00:00	1.05	00:00:00	696.00	4	260.399	0.00	724950.816	0.00	100.00%	0.00%	
2	PTL400IR06	400KV GKP-MZP-2	744.00	0.00	0:00:00	0:00:00	0:00:00	0	00:00:00	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	1.05	00:00:00	696.00			0.00	1449901.63	0.00	100.00%	0.00%	

Availability of Inter-Regional Powerlinks Lines

100.000%