

**Availability Calculation for the month of February '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	672.0	0.00	64088.9	64088.9	100.000
400 KV NSLG-KSNE- II	0	0	0	0	0	0	0	0	672.0	0.00	64088.9	64088.9	100.000
400 KV KSNE-NPRN-I	0	0	4	20	0	0	0	0	667.7	0.00	45343.4	45343.4	100.000
400 KV KSNE-NPRN-II	0	0	0	0	0	0	0	0	672.0	0.00	45343.4	45343.4	100.000
400 KV NPRN-MUZ-I	0	0	0	0	0	0	0	0	672.0	0.00	45343.4	45343.4	100.000
400 KV NPRN-MUZ-II	0	0	0	0	0	0	0	0	672.0	0.00	125706	125705.8	100.000
220 KV MUZ-KANTI-I	0	0	1	40	0	0	0	0	670.3	0.00	3174.6	3174.6	100.000
220 KV MUZ-KANTI-II	0	0	2	21	0	0	0	0	669.7	0.00	3174.6	3174.6	100.000
	<b>0</b>	<b>0</b>	<b>7</b>	<b>81</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5367.7</b>		<b>396263</b>	<b>396262.87</b>	<b>800.000</b>

Availability                    1.00000  
% Availability                 **100.000**

**Provisional Availability Calculation for the Period : From 01.02.2021 To 28.02.2021 (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	OHxNSCxkt kMs	THMxNSCxkt 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	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	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	183.322	0.00	10266.032	0.00	100.00%	0.00%	
2	PTL400NR13	400kV BLY(PGCIL)-MRT(PGCIL)-II	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	183.322	0.00	10266.032	0.00	100.00%	0.00%	
3	PTL400NR16	400kV MRT(PGCIL)-MND(PGCIL)-III	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	47.509	0.00	2660.504	0.00	100.00%	0.00%	
3	PTL400NR14	400kV MRT(PGCIL)-MND(PGCIL)-IV	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	47.509	0.00	2660.504	0.00	100.00%	0.00%	
4	PTL400NR09	400kV BLY(UPPCL)-BLY(PGCIL)-I	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	5.126	0.00	287.056	0.00	100.00%	0.00%	
5	PTL400NR10	400kV BLY(UPPCL)-BLY(PGCIL)-II	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	5.126	0.00	287.056	0.00	100.00%	0.00%	
6	PTL400NR07	400kV GKP-LKO-I	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	245.905	0.00	13770.68	0.00	100.00%	0.00%	
7	PTL400NR08	400kV GKP-LKO-II	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	672.00.00	2	245.905	0.00	13770.68	0.00	100.00%	0.00%	
											5376.00.00			0.00	53968.544	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.	OHxNSCxkt kMs	THMxNSCxkt 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	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	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	00:00:00	672.00.00	4	260.399	0.00	29164.688	0.00	100.00%	0.00%	
2	PTL400IR06	400kV GKP-MZP-2	672.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	0.00.00	00:00:00	672.00.00	4	260.399	0.00	29164.688	0.00	100.00%	0.00%	
											1344.00.00			0.00	58329.38	0.00	100.00%	0.00%	

Availability of Inter-Regional Powerlinks Lines

100.000%