

Provisional Availability Calculation for the Period : From 01.09.2022 To 30.09.2022 (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 | | | | | | | | |
| 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 | 720:00:00 | 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% |
| | | | | 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

100.000%

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 | | | | | | | | |
| 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 | 720:00:00 | 0:00:00 | 0:00:00 | 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 | 0:00:00 | 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% |
| | | | | 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

100.000%

Availability Calculation for the month of Sep' 22 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 720.0 | 0.00 | 125706 | 125705.8 | 100.000 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5760 | | 476625 | 476625.334 | 800.000 |

Availability 1.00000
 % Availability **100.000**