## Provisional Availability Calculation for the Period : From 01.07.2025 To 31.07.2025 (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 | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 183.322 | 0.00 | 11365.964 | 0.00 | 100.00% | 0.00% |
| 2 | PTL400NR13 | 400kV BLY(PGCIL)-MRT(PGCIL)-II | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 183.322 | 0.00 | 11365.964 | 0.00 | 100.00% | 0.00% |
| 3 | PTL400NR16 | 400kV MRT(PGCIL)-MND(PGCIL)-III | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 47.509 | 0.00 | 2945.558 | 0.00 | 100.00% | 0.00% |
| 3 | PTL400NR14 | 400kV MRT(PGCIL)-MND(PGCIL)-IV | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 47.509 | 0.00 | 2945.558 | 0.00 | 100.00% | 0.00% |
| 4 | PTL400NR09 | 400kV BLY(UPPCL)-BLY(PGCIL)-I | 744:00:00 | 2:11:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 5.126 | 0.93 | 317.812 | 0.00 | 99.71% | 0.29% |
| 5 | PTL400NR10 | 400kV BLY(UPPCL)-BLY(PGCIL)-II | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 5.126 | 0.00 | 317.812 | 0.00 | 100.00% | 0.00% |
| 6 | PTL400NR07 | 400kV GKP-LKO-I | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 245.905 | 0.00 | 15246.11 | 0.00 | 100.00% | 0.00% |
| 7 | PTL400NR08 | 400kV GKP-LKO-II | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 744:00:00 | 2 | 245.905 | 0.00 | 15246.11 | 0.00 | 100.00% | 0.00% |
| | | | | 2:11:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 5952:00:00 | | | 0.93 | 59750.888 | 0.00 | 100.00% | 0.00% |
| | | **Availability of Intra-Regional Powerlinks Lines** | | | | **99.998%** | | | | | | | | | | | |

## 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 | 744:00:00 | 13:29:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 00:00:00 | 744:00:00 | 4 | 260.399 | 585.17 | 32289.476 | 0.02 | 98.19% | 1.81% |
| 2 | PTL400IR06 | 400kV GKP-MZP-2 | 744:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 00:00:00 | 744:00:00 | 4 | 260.399 | 0.00 | 32289.476 | 0.00 | 100.00% | 0.00% |
| | | | | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 00:00:00 | 1488:00:00 | | | 585.17 | 64578.95 | 0.01 | 99.09% | 0.91% |
| | | **Availability of Inter-Regional Powerlinks Lines** | | | | **99.094%** | | | | | | | | | | | |

## Availability Calculation for the month of July'25 for Powerlink Lines in ER

| Elen | Attributable to PL | | Attributable to Others | | Act of God/Grid Incident | the Category of Deemed available | | Total Outage | | Ti | TNAi | Wi (SIL*Ckt Km) | Wi(Ti-TNAi)/Ti | 100*Wi(Ti-TNAi)/(Ti*Wi) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hrs | Mins | Hrs | Mins | Mins | Hrs | Min | Hrs | Min | Hrs | Hrs | | | |
| 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 744.0 | 0.00 | 64088.9 | 64088.9 | 100.000 |
| 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 64088.9 | 64088.9 | 100.000 |
| 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 744.0 | 0.00 | 45343.4 | 45343.4 | 100.000 |
| 400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 45343.4 | 45343.4 | 100.000 |
| 400 | 0 | 0 | 0 | 0 | **0** | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 125706 | 125705.8 | 100.000 |
| 400 | 0 | 0 | 0 | 0 | **0** | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 125706 | 125705.8 | 100.000 |
| 220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 3174.6 | 3174.6 | 100.000 |
| 220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 744.0 | 0.00 | 3174.6 | 3174.6 | 100.000 |
| | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **5952** | | **476625** | **476625.334** | **800.000** |
| Avai | 1.00000 | | | | | | | | | | | | | |
| **Ava** | **100.000** | | | | | | | | | | | | | |