## Provisional Availability Calculation for the Period : From 01.09.2026 To 30.09.2026 (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) | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 2 | 183.322 | 0.00 | 10999.32 | 0.00 | 100.00% | 0.00% |
| 2 | PTL400NR13 | 400kV BLY(PGCIL)-MRT(PGCIL) | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 2 | 183.322 | 0.00 | 10999.32 | 0.00 | 100.00% | 0.00% |
| 3 | PTL400NR16 | 400kV MRT(PGCIL)-MND(PGCIL | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 2 | 47.509 | 0.00 | 2850.54 | 0.00 | 100.00% | 0.00% |
| 3 | PTL400NR14 | 400kV MRT(PGCIL)-MND(PGCIL | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 2 | 47.509 | 0.00 | 2850.54 | 0.00 | 100.00% | 0.00% |
| 4 | PTL400NR09 | 400kV BLY(UPPCL)-BLY(PGCIL) | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 2 | 5.126 | 0.00 | 307.56 | 0.00 | 100.00% | 0.00% |
| 5 | PTL400NR10 | 400kV BLY(UPPCL)-BLY(PGCIL) | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 720:00:00 | 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 | 720:00:00 | 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 | 720:00:00 | 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. | 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 | 720:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 0:00:00 | 00:00:00 | 720:00:00 | 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 | 00:00:00 | 720:00:00 | 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 | 00:00:00 | 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 September' 2026 for Powerlink Lines in ERTS

| Sl. No. | Name of Line | DOC | Line Length (CKM) | No.of Sub Conductors(NSC) | Total duration Available for Consideration (in Minute) Ti | Duration of Outage | | | | | | | | Tnai (Min) | Wi (Ti-Tnai) /Ti | Wi (Ti-Tnai) /(Ti*Wi) | 100*∑[Wi (Ti-Tnai)/ Ti] /∑Wi | No. of Tripping | Cumulative Tripping |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Attributable to Transmission Licencee(PL) | | Attributable to Others | | Attributable to Force Majeure / Natural Claimity / Militancy | | Outage Under the Category of Deemed available | | | | | | | |
| | | | | | | | | | | | | | | | | | | Dec'25 | |
| 1 | 400KV-BINAGURI-KISHANGANJ-1 | 30-07-2006 | 93.288 | 12 | 44640 | 15 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 947 | 1095.71 | 97.88 | 99.755 | 0 | 0 |
| 2 | 400KV-BINAGURI-KISHANGANJ-2 | 02-08-2006 | 93.288 | 12 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1119.46 | 100.00 | | 0 | 0 |
| 3 | 400KV-NEW PURNEA-KISHANGANJ-1 | 30-07-2006 | 66.002 | 12 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 792.02 | 100.00 | | 0 | 0 |
| 4 | 400KV-NEW PURNEA-KISHANGANJ-2 | 02-08-2006 | 66.002 | 12 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 792.02 | 100.00 | | 0 | 0 |
| 5 | 400KV-NEW PURNEA-MUZAFFARPUR-1 | 21-08-2006 | 238.531 | 12 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2862.37 | 100.00 | | 1 | 1 |
| 6 | 400KV-NEW PURNEA-MUZAFFARPUR-2 | 23-07-2006 | 238.531 | 12 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2862.37 | 100.00 | | 0 | 0 |
| 7 | 220KV-MUZAFFARPUR(PG)-KANTI(KUVNL)-1 | 28-08-2006 | 24.05 | 3 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72.15 | 100.00 | | 0 | 0 |
| 8 | 220KV-MUZAFFARPUR(PG)-KANTI(KUVNL)-2 | 28-08-2006 | 24.05 | 3 | 44640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72.15 | 100.00 | | 0 | 0 |
| | | | | | | | | | | | | | | | **9668.26** | | | | |

**% Availability for Powerlinks Tr.lines in Eastern Region for the month of September'26** **99.755**