


BIHAR GRID COMPANY LIMITED
Loading level of Transmission Assets

| Voltage Grade | S.No | Name of TL | Load | | | | | | | Month: | October'2022 |
|--|------|--|---------|-------|------------|--------|-------|--------------|---------|------------------------------------|--------------|
| | | | MW | | Date | | | Avg of Month | Remark | | |
| | | | Max | Time | Min | Time | Date | | | | |
| A. Power Flow in 400KV transmission line | | | | | | | | | | | |
| 400 kv (08 nos.) | 1 | Naubatpur - Patna(PG) ckt - 01 | -448.77 | 06:00 | 05-10-2022 | -18.6 | 15:00 | 25-10-2022 | -242.52 | | |
| | 2 | Naubatpur - Patna(PG) ckt - 02 | -450.11 | 06:00 | 05-10-2022 | -18.49 | 15:00 | 25-10-2022 | -243.64 | | |
| | 3 | Naubatpur - Balia(PG) ckt - 01 | 363.78 | 06:00 | 05-10-2022 | 0.15 | 13:00 | 20-10-2022 | 153.59 | | |
| | 4 | Naubatpur - Balia(PG) ckt - 02 | 399.62 | 06:00 | 05-10-2022 | 0.54 | 12:00 | 24-10-2022 | 156.74 | | |
| | 5 | Jakkanpur - Nabinagar(NPGC) ckt - 01 | -480.52 | 18:00 | 31-10-2022 | -34.37 | 07:00 | 25-10-2022 | -387.08 | | |
| | 6 | Jakkanpur - Nabinagar(NPGC) ckt - 02 | -481.54 | 18:00 | 31-10-2022 | -33.79 | 07:00 | 25-10-2022 | -387.68 | | |
| | 7 | Jakkanpur - Patna(PG) ckt - 01 | 459.62 | 18:00 | 31-10-2022 | 11.89 | 07:00 | 25-10-2022 | 359.71 | | |
| | 8 | Jakkanpur - Patna(PG) ckt - 02 | 455.67 | 18:00 | 31-10-2022 | 11.51 | 07:00 | 25-10-2022 | 356.94 | | |
| B. Power Flow in 220KV transmission line | | | | | | | | | | | |
| 220 kv (34 nos.) | 1 | Hajipur - Amnour ckt-01 | -133.19 | 21:00 | 03-10-2022 | -34.09 | 16:00 | 30-10-2022 | 82.65 | | |
| | 2 | Hajipur - Amnour ckt-02 | -200.68 | 18:00 | 16-10-2022 | -33.9 | 16:00 | 30-10-2022 | 81.73 | | |
| | 3 | Patna (PG) - Khagaul ckt-02 | 77.01 | 19:00 | 07-10-2022 | 28.12 | 15:00 | 30-10-2022 | 51.57 | | |
| | 4 | Patna (PG) - Khagaul ckt-03 | 76.92 | 19:00 | 07-10-2022 | 28.07 | 15:00 | 30-10-2022 | 51.23 | | |
| | 5 | Khijirsarai - Biharsharif ckt-01 | -166.02 | 07:00 | 07-10-2022 | -16.03 | 14:00 | 31-10-2022 | -82.97 | | |
| | 6 | Khijirsarai - Biharsharif ckt-02 | -166.32 | 07:00 | 07-10-2022 | -16.97 | 14:00 | 31-10-2022 | -83.36 | | |
| | 7 | Khijirsarai - Both Gaya ckt-01 | -65.44 | 11:00 | 14-10-2022 | -0.08 | 15:00 | 05-10-2022 | -21.28 | | |
| | 8 | Khijirsarai - Both Gaya ckt-02 | -65.77 | 11:00 | 14-10-2022 | -0.09 | 15:00 | 05-10-2022 | -21.34 | | |
| | 9 | Khijirsarai - Gaya (PG) ckt-01 | -95.14 | 18:00 | 17-10-2022 | -6.96 | 07:00 | 12-10-2022 | -48.73 | | |
| | 10 | Khijirsarai - Gaya (PG) ckt-02 | -95.08 | 18:00 | 17-10-2022 | -6.99 | 07:00 | 12-10-2022 | -48.79 | | |
| | 11 | Khijirsarai - Narhat ckt-01 | 142.88 | 19:00 | 01-10-2022 | 26.42 | 17:00 | 11-10-2022 | 78.53 | | |
| | 12 | Khijirsarai - Narhat ckt-02 | 142.6 | 19:00 | 01-10-2022 | 26.44 | 17:00 | 11-10-2022 | 78.50 | | |
| | 13 | Narhat - Sekhopur Sarai ckt-01 | 81.15 | 18:00 | 12-10-2022 | 11.67 | 17:00 | 11-10-2022 | 23.62 | | |
| | 14 | Narhat - Sekhopur Sarai ckt-02 | 80.96 | 18:00 | 12-10-2022 | 11.72 | 17:00 | 11-10-2022 | 23.62 | | |
| | 15 | Sekhopur Sarai - Haveli Kharagpur ckt-01 | 56.10 | 18:00 | 13-10-2022 | 3.40 | 17:00 | 11-10-2022 | 29.80 | | |
| | 16 | Sekhopur Sarai - Haveli Kharagpur ckt-02 | 60.10 | 20:00 | 12-10-2022 | 2.80 | 17:00 | 11-10-2022 | 32.67 | | |
| | 17 | Haveli Kharagpur - Goradih ckt-01 | 0.00 | 00:00 | 00-00-0000 | 0.00 | 00:00 | 00-00-0000 | 0.00 | System connected but no power flow | |
| | 18 | Haveli Kharagpur - Goradih ckt-02 | 52.70 | 14:00 | 19-10-2022 | 29.40 | 16:00 | 19-10-2022 | 0.17 | | |
| | 19 | Mokama-Biharsharif ckt-1 | 129.50 | 07:00 | 04-10-2022 | 0.00 | 11:00 | 01-10-2022 | 29.65 | | |
| | 20 | Mokama-Biharsharif ckt-2 | 129.10 | 07:00 | 04-10-2022 | 0.00 | 11:00 | 01-10-2022 | 28.82 | | |
| | 21 | Mokama-BTPS ckt-1 | -157.60 | 08:00 | 07-10-2022 | 0.00 | 22:00 | 01-10-2022 | -53.52 | | |
| | 22 | Mokama-BTPS ckt-2 | -158.50 | 08:00 | 07-10-2022 | 0.00 | 22:00 | 01-10-2022 | -53.66 | | |
| | 23 | Ara(PG)-Dumraon New - 01 | -48.80 | 06:00 | 10-07-2022 | 0.02 | 18:00 | 26-10-2022 | -17.13 | | |
| | 24 | Ara(PG)-Dumraon New - 02 | -48.80 | 06:00 | 07-10-2022 | 0.02 | 18:00 | 26-10-2022 | -17.11 | | |
| | 25 | Dumraon New-Nadokhar - 01 | -43.19 | 22:00 | 09-10-2022 | -0.01 | 07:00 | 16-10-2022 | -15.78 | | |
| | 26 | Dumraon New-Nadokhar - 02 | -43.33 | 22:00 | 09-10-2022 | -0.01 | 07:00 | 16-10-2022 | -15.84 | | |
| | 27 | Naubatpur- Ara(PG) Ckt-01 | 134.65 | 06:00 | 07-10-2022 | 30.29 | 12:00 | 29-10-2022 | 86.71 | | |
| | 28 | Naubatpur- Ara(PG) Ckt-02 | 134.65 | 06:00 | 07-10-2022 | 30.31 | 12:00 | 29-10-2022 | 86.73 | | |
| | 29 | Naubatpur- Khagaul Ckt-01 | 29.28 | 06:00 | 07-10-2022 | 0.01 | 10:00 | 26-10-2022 | -7.63 | | |
| | 30 | Naubatpur- Khagaul Ckt-02 | 29.47 | 06:00 | 07-10-2022 | 0.06 | 13:00 | 24-10-2022 | -7.67 | | |
| | 31 | Naubatpur- Bhusaula Ckt-01 | 0.21 | 14:00 | 03-10-2022 | 0.03 | 08:00 | 14-10-2022 | 0.06 | | |
| | 32 | Naubatpur- Bhusaula Ckt-02 | 0.21 | 14:00 | 03-10-2022 | 0.01 | 19:00 | 14-10-2022 | 0.02 | | |
| | 33 | Naubatpur- Bihta Ckt-01 | -12.44 | 06:00 | 07-10-2022 | 0.01 | 18:00 | 18-10-2022 | -2.98 | | |
| | 34 | Naubatpur- Bihta Ckt-02 | -12.26 | 06:00 | 07-10-2022 | 0.02 | 16:00 | 18-10-2022 | -2.78 | | |
| C. Power Flow in 132 kV transmission line | | | | | | | | | | | |
| 132 kv (40 nos.) | 1 | Amnour - Siwan ckt-01 | 66.28 | 02:00 | 08-10-2022 | 8.91 | 17:00 | 03-10-2022 | 32.47 | | |
| | 2 | Amnour - Siwan ckt-02 | 66.80 | 02:00 | 08-10-2022 | 0.02 | 17:00 | 03-10-2022 | 31.91 | | |
| | 3 | Amnour - Chhapara ckt-01 | 68.40 | 03:00 | 10-10-2022 | 14.05 | 12:00 | 17-10-2022 | 37.15 | | |
| | 4 | Amnour - Chhapara ckt-02 | 68.35 | 03:00 | 10-10-2022 | 14.02 | 12:00 | 17-10-2022 | 37.22 | | |
| | 5 | Khijirsarai - Both Gaya ckt -03 | 25.55 | 18:00 | 19-10-2022 | 0.01 | 07:00 | 01-10-2022 | 2.57 | | |
| | 6 | Khijirsarai - Wajirganj ckt -01 | 43.3 | 19:00 | 09-10-2022 | 0.00 | 08:00 | 01-10-2022 | 28.90 | | |
| | 7 | Khijirsarai-Hulasganj ckt-01 | 37.97 | 07:00 | 09-10-2022 | 0.07 | 08:00 | 14-10-2022 | 24.79 | | |
| | 8 | Khijirsarai - Jehanabad ckt-01 | 52.92 | 19:00 | 01-10-2022 | 15.06 | 14:00 | 11-10-2022 | 38.63 | | |
| | 9 | Khijirsarai - Jehanabad ckt-02 | 52.95 | 19:00 | 01-10-2022 | 15.04 | 14:00 | 11-10-2022 | 38.58 | | |
| | 10 | Narhat - Nawadah ckt-01 | 59.99 | 19:00 | 01-10-2022 | 2.30 | 13:00 | 26-10-2022 | 21.82 | | |
| | 11 | Narhat - Nawadah ckt-02 | 55.68 | 19:00 | 01-10-2022 | 2.49 | 13:00 | 26-10-2022 | 24.41 | | |
| | 12 | Haveli Kharagpur - Sultanganj ckt-01 | 28.50 | 18:00 | 13-10-2022 | 12.80 | 18:00 | 10-10-2022 | 0.53 | | |
| | 13 | Haveli Kharagpur - Sultanganj ckt-02 | 28.30 | 18:00 | 13-10-2022 | 12.70 | 18:00 | 10-10-2022 | 0.53 | | |
| | 14 | Haveli Kharagpur - Lakhisarai ckt-01 | 0.00 | 00:00 | 00-00-0000 | 0.00 | 00:00 | 00-00-0000 | 0.00 | System connected but no power flow | |
| | 15 | Haveli Kharagpur - Lakhisarai ckt-02 | 0.00 | 00:00 | 00-00-0000 | 0.00 | 00:00 | 00-00-0000 | 0.00 | | |
| | 16 | Haveli Kharagpur- Jamalpur ckt-01 | 28.10 | 21:00 | 01-10-2022 | 3.30 | 17:00 | 11-10-2022 | 18.95 | | |
| | 17 | Haveli Kharagpur- Jamalpur ckt-02 | 28.00 | 21:00 | 01-10-2022 | 3.20 | 17:00 | 11-10-2022 | 18.94 | | |
| | 18 | Sekhopur Sarai - Sekhpura ckt-01 | 27.60 | 08:00 | 02-10-2022 | 2.80 | 17:00 | 09-10-2022 | 20.69 | | |
| | 19 | Sekhopur Sarai - Sekhpura ckt-02 | 27.60 | 08:00 | 02-10-2022 | 3.60 | 16:00 | 11-10-2022 | 21.61 | | |
| | 20 | Sekhopur Sarai - Biharsarif | 0.00 | 00:00 | 00-00-0000 | 0.00 | 00:00 | 00-00-0000 | 0.00 | | |
| | 21 | Goradih - Sultanganj ckt-01 | 0.00 | 00:00 | 01-10-2022 | 0.00 | 00:00 | 01-10-2022 | 0.01 | System connected but no power flow | |
| | 22 | Goradih - Sultanganj ckt-02 | 0.00 | 00:00 | 01-10-2022 | 0.00 | 00:00 | 01-10-2022 | 0.00 | | |
| | 23 | Goradih - Kahalganj ckt-01 | 30.00 | 14:00 | 19-10-2022 | 0.00 | 00:00 | 01-10-2022 | 0.08 | | |
| | 24 | Goradih - Kahalganj ckt-02 | 30.20 | 14:00 | 19-10-2022 | 0.00 | 00:00 | 01-10-2022 | 0.08 | | |
| | 25 | Goradih -Sabour ckt-01 | -19.80 | 18:00 | 02-10-2022 | -0.10 | 16:00 | 11-10-2022 | -11.57 | | |
| | 26 | Goradih - Sabour ckt-02 | -20.00 | 19:00 | 02-10-2022 | -0.20 | 18:00 | 11-10-2022 | -11.61 | | |
| | 27 | Mokama-Hatidah ckt-01 | 53.10 | 11:00 | 11-10-2022 | 0.00 | 16:00 | 11-10-2022 | 22.15 | | |
| | 28 | Mokama-Hatidah ckt-02 | 60.30 | 23:00 | 23-10-2022 | 0.00 | 16:00 | 11-10-2022 | 23.54 | | |
| | 29 | DUMRAON-DUMRAON ckt-01 | 29.97 | 17:00 | 11-10-2022 | -1.05 | 08:00 | 14-10-2022 | 16.25 | | |
| | 30 | DUMRAON-DUMRAON CKT 02 | 27.17 | 19:00 | 02-10-2022 | 0.01 | 13:00 | 10-10-2022 | 16.34 | | |
| | 31 | DUMRAON-BUXAR ckt-01 | 27.12 | 19:00 | 02-10-2022 | 0.01 | 08:00 | 17-10-2022 | 18.32 | | |
| | 32 | DUMRAON-BUXAR ckt-02 | 30.00 | 17:00 | 11-10-2022 | -1.04 | 08:00 | 14-10-2022 | 18.33 | | |
| | 33 | DUMRAON-ARA ckt-01 | -6.66 | 15:00 | 03-10-2022 | 0.01 | 10:00 | 12-10-2022 | -7.82 | | |
| | 34 | DUMRAON-ARA ckt-02 | -6.67 | 15:00 | 03-10-2022 | -0.01 | 03:00 | 10-10-2022 | -7.83 | | |
| | 35 | DUMRAON-JAGDISHIPUR ckt-01 | -14.21 | 09:00 | 01-10-2022 | -0.69 | 10:00 | 11-10-2022 | -1.00 | | |
| | 36 | DUMRAON-JAGDISHIPUR ckt-02 | -14.26 | 09:00 | 01-10-2022 | -0.63 | 10:00 | 11-10-2022 | -1.01 | | |
| | 37 | Naubatpur - Masaurhi ckt - 01 | 15.60 | 15:00 | 01-10-2022 | -1.01 | 15:00 | 25-10-2022 | 10.70 | | |
| | 38 | Naubatpur - Masaurhi ckt - 02 | 15.56 | 15:00 | 01-10-2022 | -1.01 | 15:00 | 25-10-2022 | 10.58 | | |
| | 39 | JAKKANPUR-SIPARA-03 | 33.57 | 17:00 | 24-10-2022 | 9.97 | 14:00 | 16-10-2022 | 25.03 | | |
| | 40 | JAKKANPUR-FATUHA | 106.00 | 15:00 | 12-10-2022 | 0.16 | 14:00 | 12-10-2022 | 41.54 | | |

| Substation Details | S.No. | MVA Capacity | Load | | | | | | Avg of Month | Remark |
|--------------------------------------|---|---------------------------|--------|-------|------------------|-------|-------|------------|--------------|--------|
| | | | MW | | | | | | | |
| | | | Max | Time | Date | Min | Time | Date | | |
| D. Power Flow in transformers | | | | | | | | | | |
| Amnour GIS | 1 | Tr-01-160 MVA, 220-132 kV | 133.58 | 01:00 | 10-10-2022 | 29.74 | 17:00 | 30-10-2022 | 83.17 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | 135.25 | 01:00 | 10-10-2022 | 30.12 | 17:00 | 30-10-2022 | 84.24 | |
| | 3 | Tr-01-50 MVA, 132-33 kV | 23.83 | 22:00 | 01-10-2022 | 0.28 | 09:00 | 23-10-2022 | 14.43 | |
| | 4 | Tr-02-50 MVA, 132-33 kV | 23.31 | 22:00 | 01-10-2022 | 0.28 | 09:00 | 23-10-2022 | 14.51 | |
| KhijirSarai GIS | 1 | Tr-01-160 MVA, 220-132 kV | 107 | 18:00 | 18-10-2022 | 19.77 | 14:00 | 11-10-2022 | 73.43 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | 110.28 | 18:00 | 18-10-2022 | 20.96 | 14:00 | 11-10-2022 | 75.86 | |
| | 3 | Tr-02-50 MVA, 132-33 kV | 17.97 | 07:00 | 11-10-2022 | 0.03 | 15:00 | 07-10-2022 | 4.38 | |
| | 4 | Tr-03-50 MVA, 132-33 kV | 26.86 | 07:00 | 20-10-2022 | 0.13 | 19:00 | 12-10-2022 | 11.38 | |
| Narhat GIS | 1 | Tr-01-160 MVA, 220-132 kV | 72.09 | 19:00 | 01-10-2022 | 5.81 | 13:00 | 26-10-2022 | 15.46 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | 67.30 | 19:00 | 01-10-2022 | 5.60 | 13:00 | 26-10-2022 | 15.14 | |
| | 3 | Tr-01-50 MVA, 132-33 kV | 23.31 | 12:00 | 09-10-2022 | 0.09 | 14:00 | 11-10-2022 | 8.46 | |
| | 4 | Tr-02-50 MVA, 132-33 kV | 16.57 | 19:00 | 01-10-2022 | 0.03 | 17:00 | 13-10-2022 | 6.50 | |
| Sekhopur Sarai GIS | 1 | Tr-01-160 MVA, 220-132 kV | 37.80 | 08:00 | 02-10-2022 | 4.2 | 16:00 | 11-10-2022 | 29.01 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | 37.80 | 08:00 | 02-10-2022 | 3.9 | 16:00 | 11-10-2022 | 28.96 | |
| | 3 | Tr-01-50 MVA, 132-33 kV | 1.50 | 08:00 | 03-10-2022 | 0.20 | 21:00 | 05-10-2022 | 0.89 | |
| | 4 | Tr-02-50 MVA, 132-33 kV | 25.00 | 16:00 | 01-10-2022 | 2.6 | 13:00 | 12-10-2022 | 16.04 | |
| Haveli Kharagpur GIS | 1 | Tr-01-160 MVA, 220-132 kV | 56.90 | 18:00 | 13-10-2022 | 3.3 | 17:00 | 11-10-2022 | 24.47 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | 54.80 | 18:00 | 13-10-2022 | 3.4 | 17:00 | 11-10-2022 | 23.09 | |
| | 3 | Tr-01-50 MVA, 132-33 kV | 9.00 | 22:00 | 01-10-2022 | 1.0 | 06:00 | 20-10-2022 | 5.12 | |
| | 4 | Tr-02-50 MVA, 132-33 kV | 6.70 | 22:00 | 02-10-2022 | 0.2 | 14:00 | 04-10-2022 | 3.44 | |
| Goradih GIS | 1 | Tr-01-160 MVA, 220-132 kV | 60.00 | 14:00 | 19-10-2022 | 0.00 | 00:00 | 01-10-2022 | 0.15 | |
| | 2 | Tr-01-50 MVA, 132-33 kV | 17.20 | 19:00 | 01-10-2022 | 0.00 | 17:00 | 11-10-2022 | 9.97 | |
| | 3 | Tr-02-50 MVA, 132-33 kV | 23.50 | 18:00 | 02-10-2022 | 0.00 | 18:00 | 04-10-2022 | 13.16 | |
| Mokama GIS | 1 | Tr-02-160 MVA, 220-132 kV | 78.60 | 08:00 | 03-10-2022 | 14.80 | 16:00 | 11-10-2022 | 47.88 | |
| | 2 | Tr-02-80 MVA, 132-33 kV | 9.70 | 19:00 | 09-10-2022 | 0.00 | 13:00 | 01-10-2022 | 1.43 | |
| Dumraon GIS | 1 | Tr-01-160 MVA, 220-132 kV | 98.47 | 19:00 | 09-10-2022 | 26.88 | 17:00 | 04-10-2022 | 65.21 | |
| | 2 | Tr-02-160 MVA, 220-132 kV | | | Not Commissioned | | | | | |
| | 3 | Tr-01-80 MVA, 132-33 kV | 22.04 | 19:00 | 07-10-2022 | 0.08 | 02:00 | 18-10-2022 | 65.84 | |
| | 4 | Tr-02-80 MVA, 132-33 kV | 0.00 | 00:00 | 01-10-2022 | 0.00 | 00:00 | 31-10-2022 | 14.18 | |
| Naubatpur GIS | 1 | Tr-01-500 MVA, 400-220 kV | | | Not Commissioned | | | | | |
| | 2 | Tr-02-500 MVA, 400-220 kV | 234.53 | 19:00 | 02-10-2022 | 95.62 | 16:00 | 30-10-2022 | -175.30 | |
| | 3 | Tr-01-160 MVA, 220-132 kV | 46.20 | 18:00 | 08-10-2022 | 0.95 | 13:00 | 18-10-2022 | 23.22 | |
| | 4 | Tr-01-80 MVA, 132-33 kV | 2.78 | 19:00 | 01-10-2022 | 0.03 | 18:00 | 06-10-2022 | 0.36 | |
| | 5 | Tr-02-80 MVA, 132-33 kV | 3.43 | 18:00 | 26-10-2022 | 0.03 | 00:00 | 01-10-2022 | 1.52 | |
| Jakkanpur GIS | 1 | Tr-01-500 MVA, 400-220 kV | 90.70 | 15:00 | 12-10-2022 | 34.04 | 13:00 | 31-10-2022 | 63.51 | |
| | 2 | Tr-02-500 MVA, 400-220 kV | | | Not Commissioned | | | | | |
| | 3 | Tr-01-160 MVA, 220-132 kV | 90.50 | 15:00 | 12-10-2022 | 33.80 | 13:00 | 31-10-2022 | 71.44 | |
| | 4 | Tr-02-80 MVA, 132-33 kV | | | Not Commissioned | | | | | |
| | 5 | Tr-03-80 MVA, 132-33 kV | | | Not Commissioned | | | | | |
| Bhusaula GIS | 6 | Tr-04-80 MVA, 132-33 kV | 0.13 | 11:00 | 08-10-2022 | 0.07 | 07:00 | 26-10-2022 | 0.090 | |
| | 1 | Tr-01 100 MVA, 220-33kV | 0.30 | 10:00 | 10-14-2022 | 0.10 | 20:00 | 10-24-2022 | 0.20 | |
| | 1 | Tr-02 100 MVA, 220-33kV | | | Not Commissioned | | | | | |
| Note | Negative sign(-) denote import of power and positive sign (+) denote export of power. | | | | | | | | | |


JASHBANT KUMAR SINGH
 CH. MGR (O&M)