

BIHAR GRID COMPANY LIMITED											
Loading level of Transmission Assets											
Voltage Grade	S.No	Name of TL	Load				Month:		Remark		
			Max	Time	Date	Min	Time	Date		Avg of Month	
											MW
A. Power Flow in 400kV transmission line											
400 kV (08 nos.)	1	Naubatpur - Patna(PG) ckt - 01	-462.74	05:00	17-05-2022	-119.71	13:00	01-05-2022	-302.14		
	2	Naubatpur - Patna(PG) ckt - 02	-465.4	05:00	17-05-2-22	-120.5	13:00	01-05-2022	-301.80		
	3	Naubatpur - Ballia(PG) ckt - 01	426.28	04:00	14-05-2022	43.18	13:00	01-05-2022	212.87		
	4	Naubatpur - Ballia(PG) ckt - 02	362.83	05:00	17-05-2022	45.76	13:00	01-05-2022	215.55		
	5	Jakkampur - Nabinagar(NPGC) ckt - 01	-464.72	21:00	15-05-2022	-52.56	07:00	20-05-2022	-329.44		
	6	Jakkampur - Nabinagar(NPGC) ckt - 02	-466.34	21:00	15-05-2020	-53.67	07:00	20-05-2022	-329.87		
	7	Jakkampur - Patna(PG) ckt - 01	466.8	21:00	15-05-2020	53.07	07:00	20-05-2022	331.19		
	8	Jakkampur - Patna(PG) ckt - 02	464.62	21:00	15-05-2020	52.38	07:00	20-05-2022	328.85		
B. Power Flow in 220kV transmission line											
220 kV (28 nos.)	1	Hajipur - Amnour ckt-01	-133.4	22:00	11-05-2022	-4.98	05:00	29-05-2022	-93.77		
	2	Hajipur - Amnour ckt-02	-133.3	22:00	11-05-2022	-5.02	05:00	29-05-2022	-89.00		
	3	Patna (PG) - Khasaul ckt-02	151.52	05:00	28-05-2022	33.22	08:00	05-05-2022	72.94		
	4	Patna (PG) - Khasaul ckt-03	149.64	05:00	28-05-2022	33.1	08:00	05-05-2022	72.66		
	5	Khirsarai - Biharsharif ckt-01	-128.90	18:00	25-05-2022	-18.69	00:00	22-05-2022	-74.23		
	6	Khirsarai - Biharsharif ckt-02	-125.21	05:00	21-05-2022	-23.66	23:00	21-05-2022	-74.35		
	7	Khirsarai - Both Gaya ckt-01	-76.05	10:00	18-05-2022	0.44	19:00	19-05-2022	-30.81		
	8	Khirsarai - Both Gaya ckt-02	-76.35	10:00	18-05-2022	0.78	19:00	19-05-2022	-32.68		
	9	Khirsarai - Gaya (PG) ckt-01	-103.19	10:00	18-05-2022	-1.89	05:00	22-05-2022	-56.97		
	10	Khirsarai - Gaya (PG) ckt-02	-103.15	10:00	18-05-2022	-1.82	05:00	22-05-2022	-56.87		
	11	Khirsarai - Narhat ckt-01	137.49	20:00	31-05-2022	29.21	01:00	22-05-2022	89.95		
	12	Khirsarai - Narhat ckt-02	137.37	20:00	31-05-2022	29.18	01:00	22-05-2022	89.89		
	13	Narhat - Sekhopur Sarai ckt-01	95.36	20:00	31-05-2022	11.22	18:00	19-05-2022	26.45		
	14	Narhat - Sekhopur Sarai ckt-02	95.18	20:00	31-05-2022	11.22	18:00	19-05-2022	26.43		
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	68.50	01:00	01-05-2022	-0.9	17:00	19-05-2022	43.06		
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	68.63	01:00	01-05-2022	-1.5	17:00	19-05-2022	43.13		
	17	Haveli Kharagpur - Goradhi ckt-01	0	00:00	0	0	00:00	0	0.00		
	18	Haveli Kharagpur - Goradhi ckt-02	66.70	11:00	01-05-2022	8.20	04:00	03-05-2022	1.58		
	19	Mokama-Biharsharif ckt-1	130.10	17:00	20-05-2022	0.00	03:00	03-05-2022	2.51		
	20	Mokama-Biharsharif ckt-2	130.70	17:00	20-05-2022	0.00	03:00	03-05-2022	2.65		
	21	Mokama-BTPS ckt-1	-130.30	17:00	20-05-2022	0.00	11:00	04-05-2022	-35.29		
	22	Mokama-BTPS ckt-2	-130.20	17:00	20-05-2022	0.00	11:00	04-05-2022	-35.37		
	23	Aral(PG)-Dumraon New - 01	72.92	19:00	07-05-2022	-0.05	23:00	04-05-2022	58.38		
	24	Aral(PG)-Dumraon New - 02	72.93	19:00	07-05-2022	-0.01	09:00	30-05-2022	58.35		
	25	Dumraon New-Nadokhar - 01	-125.67	20:00	05-05-2022	-0.86	16:00	19-05-2022	-99.85		
	26	Dumraon New-Nadokhar - 02	-125.67	20:00	05-05-2022	0.03	13:00	12-05-2022	-100.56		
	27	Naubatpur - Aral(PG) ckt-01	282.98	00:00	23-05-2022	16.58	20:00	23-05-2022	48.12		
	28	Naubatpur - Aral(PG) ckt-02	156.78	20:00	05-05-2022	16.59	20:00	23-05-2022	73.83		
	29	Naubatpur - Khasaul ckt-01	61.74	15:00	18-05-2022	0.01	08:00	23-05-2022	8.06		
	30	Naubatpur - Khasaul ckt-02	61.95	15:00	18-05-2022	0.02	08:00	20-05-2022	14.98		
	C. Power Flow in 132 kV transmission line										
	132 kV (33 nos.)	1	Amnour - Siwan ckt-01	50.66	23:00	29-05-2022	0.02	05:00	29-05-2022	33.68	
		2	Amnour - Siwan ckt-02	56.62	12:00	02-05-2022	1.91	05:00	29-05-2022	34.80	
3		Amnour - Chhapara ckt-01	91.73	12:00	12-05-2022	3.43	05:00	29-05-2022	41.42		
4		Amnour - Chhapara ckt-02	91.84	00:00	21-05-2022	3.36	05:00	29-05-2022	43.63		
5		Khirsarai - Both Gaya ckt - 03	0.09	06:00	12-05-2022	0.01	07:00	01-05-2022	0.00		
6		Khirsarai - Wairiganj ckt - 01	46.47	00:00	21-05-2022	0.01	00:00	28-05-2022	31.62		
7		Khirsarai-Hulaganj ckt-02	50.29	11:00	26-05-2022	0.07	13:00	20-05-2022	17.53		
8		Khirsarai - Jehanabad ckt-01	64.97	19:00	17-05-2022	1.30	23:00	21-05-2022	42.72		
9		Khirsarai - Jehanabad ckt-02	64.93	19:00	17-05-2022	1.52	23:00	21-05-2022	42.69		
10		Narhat - Nawadah ckt-01	52.44	20:00	21-05-2022	0.18	00:00	21-05-2022	29.36		
11		Narhat - Nawadah ckt-02	49.33	20:00	21-05-2022	0.58	15:00	19-05-2022	27.46		
12		Haveli Kharagpur - Sultanganj ckt-01	0	00:00	0	0	00:00	0	0.00		
13		Haveli Kharagpur - Sultanganj ckt-02	18.70	20:00	01-05-2022	1.70	10:00	01-05-2022	5.73		
14		Haveli Kharagpur - Lakhisarai ckt-01	37.20	20:00	31-05-2022	4.90	16:00	26-05-2022	3.48		
15		Haveli Kharagpur - Lakhisarai ckt-02	37.30	20:00	31-05-2022	5.00	16:00	26-05-2022	3.46		
16		Haveli Kharagpur - Jamalpur ckt-01	64.90	19:00	30-05-2022	0.80	16:00	26-05-2022	25.14		
17		Haveli Kharagpur - Jamalpur ckt-02	53.30	20:00	12-05-2022	7.10	03:00	44684.00	17.62		
18		Sekhopur Sarai - Sekhpura ckt-01	20.90	20:00	17-05-2022	2.3	03:00	23-05-2022	16.89		
19		Sekhopur Sarai - Sekhpura ckt-02	21.00	20:00	17-05-2022	1.8	17:00	23-05-2022	24.83		
20		Sekhopur Sarai - Biharsharif	0	00:00	0	0	00:00	0	0.00		
21		Goradhi - Sultanganj ckt-01	34.20	00:00	01-05-2022	28.60	09:00	01-05-2022	0.77		
22		Goradhi - Sultanganj ckt-02	34.40	00:00	01-05-2022	28.60	09:00	01-05-2022	0.73		
23		Goradhi - Kahaleon ckt-01	0.00	05:00	01-05-2022	0.00	00:00	01-05-2022	0.02		
24		Goradhi - Kahaleon ckt-02	7.20	04:00	03-05-2022	3.60	03:00	03-05-2022	0.02		
25		Goradhi - Sabour ckt-01	14.20	01:00	01-05-2022	0.10	02:00	24-05-2022	-8.54		
26		Goradhi - Sabour ckt-02	14.30	00:00	01-05-2022	0.10	07:00	24-05-2022	-8.56		
27		Mokama-Hatidih ckt-01	53.90	08:00	31-05-2022	11.40	15:00	26-05-2022	32.96		
28		Mokama-Hatidih ckt-02	54.30	08:00	31-05-2022	11.60	15:00	26-05-2022	33.35		
29		Dumraon New-Dumraon(BSP(TL) ckt-02)	56.14	19:00	24-05-2022	0.46	22:00	29-05-2022	44.54		
30		Dumraon New-Buxar ckt-01	25.50	20:00	18-05-2022	0.06	19:00	24-05-2022	20.35		
31		Dumraon New-Buxar ckt-02	25.48	20:00	18-05-2022	0.06	19:00	24-05-2022	20.34		
32		Naubatpur - Masaurhi ckt - 01	37.54	14:00	01-05-2022	1.99	05:00	28-05-2022	15.73		
33		Naubatpur - Masaurhi ckt - 02	31.11	17:00	09-05-2022	0.99	05:00	28-05-2022	15.45		
Substation Details	S.No	MVA Capacity	Load				Remark				
			Max	Time	Date	Min		Time	Date		
D. Power Flow in transformers											
Amnour GIS	1	Tr-01/160 MVA, 220/132 kV	132.34	22:00	11-05-2022	5.01	05:00	29-05-2022	92.84		
	2	Tr-02/160 MVA, 220/132 kV	134.26	22:00	11-05-2022	4.99	05:00	29-05-2022	94.08		
	3	Tr-01/50 MVA, 132/33 kV	25.71	00:00	29-05-2022	0.07	00:00	25-05-2022	16.78		
	4	Tr-02/50 MVA, 132/33 kV	25.82	00:00	29-05-2022	0.07	00:00	25-05-2022	16.87		
Khjirsarai GIS	1	Tr-01/160 MVA, 220/132 kV	105.87	07:00	19-05-2022	7.36	00:00	22-05-2022	71.78		
	2	Tr-02/160 MVA, 220/132 kV	109.11	07:00	19-05-2022	8.22	00:00	22-05-2022	74.17		
	3	Tr-01/50 MVA, 132/33 kV	12.52	07:00	28-05-2022	0.03	00:00	09-05-2022	2.85		
	4	Tr-02/50 MVA, 132/33 kV	14.84	19:00	27-05-2022	0.09	03:00	28-05-2022	8.51		
Narhat GIS	1	Tr-01/160 MVA, 220/132 kV	64.10	20:00	21-05-2022	0.72	00:00	21-05-2022	18.81		
	2	Tr-02/160 MVA, 220/132 kV	59.96	20:00	21-05-2022	0.06	00:00	21-05-2022	17.38		
	3	Tr-01/50 MVA, 132/33 kV	8.15	19:00	18-05-2022	0.07	19:00	22-05-2022	5.41		
	4	Tr-02/50 MVA, 132/33 kV	16.82	08:00	18-05-2022	0.03	16:00	01-05-2022	10.15		
Sekhopur Sarai GIS	1	Tr-01/160 MVA, 220/132 kV	27.00	20:00	18-05-2022	0.30	01:00	22-05-2022	24.19		
	2	Tr-02/160 MVA, 220/132 kV	26.5	08:00	15-05-2022	2.3	15:00	19-05-2022	24.17		
	3	Tr-01/50 MVA, 132/33 kV	1.00	07:00	11-05-2022	0.20	01:00	01-05-2022	0.91		
	4	Tr-02/50 MVA, 132/33 kV	16.60	19:00	08-05-2022	1.1	07:00	03-05-2022	12.46		
Haveli Kharagpur GIS	1	Tr-01/160 MVA, 220/132 kV	54.30	20:00	31-05-2022	4.00	03:00	03-05-2022	32.49		
	2	Tr-02/160 MVA, 220/132 kV	68.30	20:00	31-05-2022	5.00	03:00	03-05-2022	31.12		
	3	Tr-01/50 MVA, 132/33 kV	8.40	22:00	31-05-2022	0.60	15:00	24-05-2022	5.44		
	4	Tr-02/50 MVA, 132/33 kV	4.20	22:00	31-05-2022	0.50	13:00	02-05-2022	2.73		
Goradhi GIS	1	Tr-01/160 MVA, 220/132 kV	69.20	00:00	01-05-2022	7.10	03:00	03-05-2022	1.52		
	2	Tr-02/160 MVA, 220/132 kV	Not Commissioned								
	3	Tr-01/50 MVA, 132/33 kV	11.10	20:00	01-05-2022	0.30	14:00	28-05-2022	6.44		
	4	Tr-02/50 MVA, 132/33 kV	17.40	20:00	01-05-2022	0.20	12:00	28-05-2022	10.52		
Mokama GIS	1	Tr-01/160 MVA, 220/132 kV	Not Commissioned								
	2	Tr-02/160 MVA, 220/132 kV	107.60	08:00	31-05-2022	22.60	15:00	26-05-2022	65.89		
	3	Tr-01/80 MVA, 132/33 kV	Not Commissioned								