

**BIHAR GRID COMPANY LIMITED**  
Loading level of Transmission Assets

Month: February 2022

Voltage Grade	S.No	Name of TL	Load						Remark
			MW						
			Max	Time	Date	Min	Time	Date	
<b>A. Power Flow in 220kV transmission line</b>									
220 kV (26 nos.)	1	Hajipur - Amnour ckt-01	-131.73	09:00	04-02-2022	-0.11	06:00	04-02-2022	-65.62
	2	Hajipur - Amnour ckt-02	-104.72	08:00	07-02-2022	-27.78	00:00	05-02-2022	-63.88
	3	Patna (PG) - Khagaul ckt-02	108.5	10:00	11-02-2022	0	10:00	09-02-2022	65.72
	4	Patna (PG) - Khagaul ckt-03	121.64	02:00	10-02-2022	23.61	14:00	27-02-2022	69.77
	5	Khijirsarai - Biharsharif ckt-01	-178.96	17:00	04-02-2022	-19.87	14:00	27-02-2022	-82.82
	6	Khijirsarai - Biharsharif ckt-02	-147.21	18:00	21-02-2022	-20.93	14:00	27-02-2022	-81.96
	7	Khijirsarai - Bodh Gaya ckt-01	-40.07	20:00	19-02-2022	-0.02	02:00	25-02-2022	-16.79
	8	Khijirsarai - Bodh Gaya ckt-02	-40.16	20:00	19-02-2022	-0.05	02:00	12-02-2022	-13.60
	9	Khijirsarai - Gaya (PG) ckt-01	-64.30	20:00	19-02-2022	0.55	15:00	08-02-2022	-45.77
	10	Khijirsarai - Gaya (PG) ckt-02	-64.31	20:00	19-02-2022	0.19	23:00	24-02-2022	47.30
	11	Khijirsarai - Narhat ckt-01	114.48	09:00	22-02-2022	11.24	03:00	04-02-2022	70.23
	12	Khijirsarai - Narhat ckt-02	114.77	09:00	22-02-2022	11.25	03:00	04-02-2022	70.12
	13	Narhat - Sekhopur Sarai ckt-01	75.38	09:00	22-02-2022	13.79	21:00	24-02-2022	32.09
	14	Narhat - Sekhopur Sarai ckt-02	105.03	19:00	05-02-2022	13.80	21:00	24-02-2022	38.74
	15	Sekhopur Sarai - Havelli Kharagpur ckt-01	56.30	08:00	28-02-2022	27.7	03:00	25-02-2022	51.65
	16	Sekhopur Sarai - Havelli Kharagpur ckt-02	63.30	19:00	02-02-2022	10.8	03:00	04-02-2022	57.45
	17	Havelli Kharagpur - Goradih ckt-01	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0
	18	Havelli Kharagpur - Goradih ckt-02	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0.03
	19	Mokama-Biharsharif ckt-1	92.90	17:00	28-02-2022	0.00	05:00	23-02-2022	5.58
	20	Mokama-Biharsharif ckt-2	93.80	17:00	28-02-2022	0.00	20:00	17-02-2022	5.74
	21	Mokama-BTPS ckt-1	60.90	21:00	24-02-2022	0.00	01:00	04-02-2022	-33.51
	22	Mokama-BTPS ckt-2	62.70	21:00	24-02-2022	0.00	01:00	04-02-2022	-32.83
	23	Ara (PG)-Dumraon New - 01	-40.27	18:00	02-04-2022	0.02	22:00	27-02-2022	5.55
	24	Ara (PG)-Dumraon New - 02	-40.32	18:00	02-04-2022	-0.01	04:00	28-02-2022	5.52
	25	Dumraon New-Nadokhar - 01	-46.71	09:00	02-03-2022	0.11	13:00	02-04-2022	-18.65
	26	Dumraon New-Nadokhar - 02	-46.91	09:00	02-03-2022	0.03	13:00	02-04-2022	-18.65
<b>B. Power Flow in 132 kV transmission line</b>									
132 kV (29 nos.)	1	Amnour - Siwan ckt-01	55.35	12:00	13-02-2022	0.01	08:00	21-02-2022	23.79
	2	Amnour - Siwan ckt-02	61.69	10:00	05-02-2022	1.61	04:00	04-02-2022	25.99
	3	Amnour - Chhapara ckt-01	53.61	19:00	15-02-2022	9.37	19:00	19-02-2022	29.97
	4	Amnour - Chhapara ckt-02	65.26	07:00	05-02-2022	0.01	07:00	04-02-2022	31.02
	5	Khijirsarai - Bodh Gaya ckt-03	0.12	00:00	04-02-2022	0	14:00	01-02-2022	0.01
	6	Khijirsarai - Wajirganj ckt-01	47.44	08:00	24-02-2022	0.06	10:00	15-02-2022	27.29
	7	Khijirsarai-Hulasganj ckt-01	67.98	10:00	20-02-2022	0	00:00	22-02-2022	12.91
	8	Khijirsarai - Jehanabad ckt-01	71.10	19:00	17-02-2022	4.36	23:00	03-02-2022	48.88
	9	Khijirsarai - Jehanabad ckt-02	71.11	19:00	17-02-2022	4.2	23:00	03-02-2022	48.78
	10	Narhat - Nawadah ckt-01	37.36	11:00	20-02-2022	1.04	03:00	04-02-2022	17.35
	11	Narhat - Nawadah ckt-02	49.99	19:00	07-02-2022	0.37	12:00	27-02-2022	15.29
	12	Havelli Kharagpur - Sultanjanj ckt-01	0	0	0	0	0	0	0.00
	13	Havelli Kharagpur - Sultanjanj ckt-02	14.80	19:00	02-02-2022	1.30	15:00	05-02-2022	8.75
	14	Havelli Kharagpur - Lakhisarai ckt-01	23.60	17:00	15-02-2022	16.90	15:00	15-02-2022	9.18
	15	Havelli Kharagpur - Lakhisarai ckt-02	0	0	0	0	0	0	0.00
	16	Havelli Kharagpur - Jamalpur ckt-01	44.30	09:00	04-02-2022	2.30	14:00	07-02-2022	27.35
	17	Havelli Kharagpur - Jamalpur ckt-02	0	0	0	0	0	0	0.00
	18	Sekhopur Sarai - Sekhijura ckt-01	42.40	09:00	22-02-2022	3.2	00:00	23-02-2022	17.42
	19	Sekhopur Sarai - Sekhijura ckt-02	42.40	09:00	22-02-2022	4.0	06:00	04-02-2022	17.52
	20	Sekhopur Sarai - Biharsharif	0	0	0	0	0	0	0.00
	21	Goradih - Sultanjanj ckt-01	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0.01
	22	Goradih - Sultanjanj ckt-02	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0.01
	23	Goradih - Kahalgaoon ckt-01	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0.01
	24	Goradih - Kahalgaoon ckt-02	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	0.00
	25	Goradih - Sabour ckt-01	-8.30	16:00	12-02-2022	-3.00	05:00	04-02-2022	-4.56
	26	Goradih - Sabour ckt-02	-8.30	12:00	23-02-2022	0.70	15:00	24-02-2022	-4.61
	27	Mokama-Hatidaha ckt-01	54.00	09:00	16-02-2022	0.00	18:00	21-02-2022	27.3
	28	Mokama-Hatidaha ckt-02	54.80	09:00	16-02-2022	0.00	18:00	21-02-2022	27.54
	29	132kV D/C Dumraon New-Dumraon(BSPTCL)ckt-2	84.79	18:00	02-12-2022	0.69	02:00	02-04-2022	44.05
<b>C. Power Flow in transformers</b>									
Substation Details	S.No.	MVA Capacity	Load						Remark
			MW						
			Max	Time	Date	Min	Time	Date	
Amnour GIS	1	Tr-01/160 MVA, 220/132 kV	103.8	08:00	07-02-2022	0.06	06:00	04-02-2022	64.78
	2	Tr-02/160 MVA, 220/132 kV	149.34	11:00	20-02-2022	0.06	06:00	04-02-2022	66.90
	3	Tr-01/50 MVA, 132/33 kV	37.83	18:00	03-02-2022	0.26	21:00	17-02-2022	10.75
	4	Tr-02/50 MVA, 132/33 kV	23.26	17:00	24-02-2022	0.03	18:00	21-02-2022	10.17
Khijirsarai GIS	1	Tr-01/160 MVA, 220/132 kV	123.47	10:00	20-02-2022	9	00:00	04-02-2022	72.68
	2	Tr-02/160 MVA, 220/132 kV	126.98	10:00	20-02-2022	9.93	00:00	04-02-2022	76.04
	3	Tr-01/50 MVA, 132/33 kV	Not Commissioned						
Narhat GIS	1	Tr-01/160 MVA, 220/132 kV	15.33	12:00	21-02-2022	0.03	17:00	02-02-2022	2.56
	2	Tr-02/160 MVA, 220/132 kV	15.40	08:00	22-02-2022	0.1	00:00	04-02-2022	7.38
	3	Tr-01/50 MVA, 132/33 kV	59.29	19:00	07-02-2022	0.08	13:00	11-02-2022	11.84
	4	Tr-02/50 MVA, 132/33 kV	42.33	11:00	28-02-2022	0.11	01:00	04-02-2022	10.29
Sekhopur Sarai GIS	1	Tr-01/160 MVA, 220/132 kV	5.84	08:00	20-02-2022	0.09	01:00	04-02-2022	3.57
	2	Tr-02/160 MVA, 220/132 kV	16.83	08:00	21-02-2022	0.03	18:00	24-02-2022	8.57
	3	Tr-01/160 MVA, 220/132 kV	47.60	09:00	22-02-2022	0.90	04:00	04-02-2022	21.79
	4	Tr-02/160 MVA, 220/132 kV	47.2	09:00	22-02-2022	4	15:00	04-02-2022	21.77
Havelli Kharagpur GIS	1	Tr-01/50 MVA, 132/33 kV	10.80	18:00	02-02-2022	0.20	12:00	01-02-2022	1.25
	2	Tr-02/50 MVA, 132/33 kV	16.40	07:00	18-02-2022	1.5	08:00	27-02-2022	10.80
	3	Tr-01/160 MVA, 220/132 kV	32.10	19:00	02-02-2022	7.30	14:00	07-02-2022	21.58
	4	Tr-02/160 MVA, 220/132 kV	30.70	19:00	02-02-2022	6.20	03:00	04-02-2022	20.25
Goradih GIS	1	Tr-01/50 MVA, 132/33 kV	0	0	0	0	0	0	System Connected But no Power flow
	2	Tr-02/50 MVA, 132/33 kV	8.30	18:00	13-02-2022	1.00	02:00	04-02-2022	5.43
	3	Tr-01/160 MVA, 220/132 kV	0.00	00:00	01-02-2022	0.00	00:00	28-02-2022	-0.04
	4	Tr-02/160 MVA, 220/132 kV							
Mokama GIS	1	Tr-01/50 MVA, 132/33 kV	12.70	07:00	08-02-2022	0.20	00:00	01-02-2022	3.80
	2	Tr-02/50 MVA, 132/33 kV	13.10	06:00	01-02-2022	3.60	04:00	01-02-2022	5.24
	3	Tr-01/160 MVA, 220/132 kV							
	4	Tr-02/160 MVA, 220/132 kV							
Dumraon GIS	1	Tr-01/80 MVA, 132/33 kV	107.70	09:00	16-02-2022	0.00	18:00	21-02-2022	40.82
	2	Tr-02/80 MVA, 132/33 kV							
	3	Tr-01/80 MVA, 132/33 kV	0.00	01:00	01-02-2022	0.00	00:00	28-02-2022	0.00
Note	1	Tr-01/160 MVA, 220/132 kV	98.8	18:00	02-12-2022	14.03	02:00	02-04-2022	54.87
	2	Tr-01/80 MVA, 132/33 kV	18.76	09:00	02-01-2022	0.22	21:00	02-03-2022	4.34
	3	Tr-02/80 MVA, 132/33 kV	18.21	08:00	18/02/2022	3.61	16:00	28/02/2022	6.53

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