

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

Month: January 2022

Voltage Grade	S.No	Name of TL	Load							Remark
			MW							
			Max	Time	Date	Min	Time	Date	Avg of Month	
<b>A. Power Flow in 220kV transmission line</b>										
220 kv (26 nos.)	1	Hajipur - Amnour ckt-01	-135.92	17:00	08-01-2022	-34.13	15:00	23-01-2022	-68.49	
	2	Hajipur - Amnour ckt-02	-134.46	10:00	07-01-2022	-34.74	15:00	23-01-2022	-65.49	
	3	Patna (PG) - Khagaul ckt-02	-112.92	18:00	07-01-2022	-32.97	04:00	23-01-2022	67.05	
	4	Patna (PG) - Khagaul ckt-03	-113.33	18:00	07-01-2022	-32.69	04:00	23-01-2022	66.26	
	5	Khijisara - Biharsharif ckt-01	-162.66	16:00	21-01-2022	-24.42	06:00	23-01-2022	-74.80	
	6	Khijisara - Biharsharif ckt-02	-149.27	18:00	20-01-2022	-23.18	23:00	13-01-2022	-74.03	
	7	Khijisara - Bodh Gaya ckt-01	79.86	10:00	13-01-2022	0.01	11:00	29-01-2022	-15.17	
	8	Khijisara - Bodh Gaya ckt-02	137.48	11:00	03-01-2022	0	14:00	18-01-2022	-12.28	
	9	Khijisara - Gaya (PG) ckt-01	-116.32	10:00	03-01-2022	0.11	20:00	02-01-2022	-41.34	
	10	Khijisara - Gaya (PG) ckt-02	-116.57	10:00	03-01-2022	-14.19	08:00	23-01-2022	-42.72	
	11	Khijisara - Narhat ckt-01	-133.20	19:00	18-01-2022	-28.59	15:00	03-01-2022	61.82	
	12	Khijisara - Narhat ckt-02	-133.02	19:00	18-01-2022	-28.60	05:00	23-01-2022	62.88	
	13	Narhat - Sekhopur Sarai ckt-01	95.78	19:00	18-01-2021	20.44	04:00	25-01-2022	38.28	
	14	Narhat - Sekhopur Sarai ckt-02	152.87	12:00	18-01-2021	20.42	04:00	25-01-2022	39.91	
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	-69.20	19:00	18-01-2021	-9.6	13:00	17-01-2022	-17.68	
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	-69.10	19:00	18-01-2021	-9.5	13:00	17-01-2022	-30.81	
	17	Haveli Kharagpur - Goradiah ckt-01	35.90	19:00	18-01-2021	24.5	14:00	18-01-2022	0.47	
	18	Haveli Kharagpur - Goradiah ckt-02	56.90	15:00	07-01-2022	9.00	23:00	18-01-2022	0.70	
	19	Mokama-Biharsharif ckt-1	109.10	18:00	12-01-2022	0.00	20:00	02-01-2022	14.19	
	20	Mokama-Biharsharif ckt-2	109.00	18:00	12-01-2022	0.00	20:00	02-01-2022	13.25	
	21	Mokama-BTPS ckt-1	69.80	23:00	13-01-2022	0.00	00:00	02-01-2022	-18.42	
	22	Mokama-BTPS ckt-2	69.00	23:00	13-01-2022	0.00	00:00	02-01-2022	-18.43	
	23	Aral PG-Dumraon New - 01	51.73	13:00	31-01-2022	0.02	22:00	13-01-2022	3.49	
	24	Aral PG-Dumraon New - 02	51.91	13:00	31-01-2022	-0.02	06:00	14-01-2022	3.47	
	25	Dumraon New-Nadokhar - 01	-84.11	13:00	31-01-2022	-1.72	17:00	06-01-2022	-23.50	
	26	Dumraon New-Nadokhar - 02	-84.43	13:00	31-01-2022	-1.77	17:00	06-01-2022	-23.74	
<b>B. Power Flow in 132 kv transmission line</b>										
132 kv (29 nos.)	1	Amnour - Siwan ckt-01	65.06	08:00	09-01-2022	0.01	03:00	07-01-2022	28.77	
	2	Amnour - Siwan ckt-02	66.06	08:00	29-01-2022	9.02	13:00	10-01-2022	33.30	
	3	Amnour - Chhapara ckt-01	47.95	20:00	27-01-2022	5.76	04:00	07-01-2022	25.17	
	4	Amnour - Chhapara ckt-02	47.36	20:00	27-01-2022	5.76	04:00	07-01-2022	24.56	
	5	Khijisara - Bodh Gaya ckt-03	0.09	06:00	23-01-2022	0	11:00	02-01-2022	0.01	
	6	Khijisara - Wajirganj ckt-01	46.02	18:00	17-01-2022	0.05	13:00	22-01-2022	24.65	
	7	Khijisara-Hulasganj ckt-01	57.98	10:00	21-01-2022	0	14:00	01-01-2022	11.66	
	8	Khijisara - Jehanabad ckt-01	78.94	19:00	29-01-2022	0.07	14:00	16-01-2022	44.13	
	9	Khijisara - Jehanabad ckt-02	79.00	19:00	29-01-2022	0.07	14:00	16-01-2022	44.06	
	10	Narhat - Nawadah ckt-01	41.02	10:00	11-01-2022	1.28	13:00	18-01-2022	18.67	
	11	Narhat - Nawadah ckt-02	37.44	10:00	11-01-2022	1.30	13:00	18-01-2022	16.49	
	12	Haveli Kharagpur - Sultanaganj ckt-01	65.70	12:00	21-01-2022	41.60	14:00	21-01-2022	0.01	
	13	Haveli Kharagpur - Sultanaganj ckt-02	14.80	18:00	20-01-2022	3.70	14:00	25-01-2022	9.48	
	14	Haveli Kharagpur - Lakhisara ckt-01	0	0	0	0	0	0	0.00	System connected but no power flow
	15	Haveli Kharagpur - Lakhisara ckt-02	0	0	0	0	0	0	0.00	
	16	Haveli Kharagpur - Jamalpur ckt-01	49.10	10:00	19-01-2022	12.00	11:00	29-01-2022	31.11	
	17	Haveli Kharagpur - Jamalpur ckt-02	0	0	0	0	0	0	0.00	
	18	Sekhopur Sarai - Sekhpura ckt-01	19.40	09:00	20-01-2022	3.1	14:00	24-01-2022	11.20	
	19	Sekhopur Sarai - Sekhpura ckt-02	19.40	09:00	20-01-2022	3.8	14:00	24-01-2022	11.24	
	20	Sekhopur Sarai - Biharsharif	0	0	0	0	0	0	0.00	System connected but no power flow
	21	Goradiah - Sultanaganj ckt-01	0	0	0	0	0	0	0.01	
	22	Goradiah - Sultanaganj ckt-02	0	0	0	0	0	0	0.01	
	23	Goradiah - Kahalgaon ckt-01	27.90	14:00	07-01-2022	0.00	00:00	01-01-2022	0.12	
	24	Goradiah - Kahalgaon ckt-02	28.00	14:00	07-01-2022	0.00	00:00	01-01-2022	0.12	
	25	Goradiah - Sabour ckt-01	21.50	19:00	18-01-2022	0.00	12:00	20-01-2022	-5.14	
	26	Goradiah - Sabour ckt-02	37.60	18:00	18-01-2022	0.04	12:00	17-01-2022	-4.95	
	27	Mokama-Hatidah ckt-01	50.30	08:00	31-01-2022	0.00	01:00	01-01-2022	18.06	
	28	Mokama-Hatidah ckt-02	50.90	08:00	31-01-2022	0.00	01:00	01-01-2022	16.34	
	29	132kV D/C Dumraon New-Dumraon(BSPCL) ckt-2	81.52	19:00	19-01-2022	25.39	04:00	23-01-2022	46.97	
<b>C. Power Flow in transformers</b>										
Amnour GIS	1	Tr-01/160 MVA, 220/132 kV	132.39	18:00	06-01-2022	25.83	12:00	08-01-2022	67.24	
	2	Tr-02/160 MVA, 220/132 kV	138.07	18:00	05-01-2022	26.16	12:00	08-01-2022	68.26	
	3	Tr-01/50 MVA, 132/33 kV	20.35	18:00	18-01-2022	0.03	12:00	17-01-2022	11.75	
	4	Tr-02/50 MVA, 132/33 kV	29.61	11:00	04-01-2022	0.03	15:00	27-01-2022	12.06	
Khijisara GIS	1	Tr-01/160 MVA, 220/132 kV	113.45	19:00	31-01-2022	20.54	05:00	23-01-2022	65.65	
	2	Tr-02/160 MVA, 220/132 kV	116.82	19:00	31-01-2022	21.79	05:00	23-01-2022	68.69	
	3	Tr-01/50 MVA, 132/33 kV			Not Commissioned					
Narhat GIS	4	Tr-02/50 MVA, 132/33 kV	4.26	08:00	09-01-2022	0.03	09:00	02-01-2022	2.32	
	5	Tr-03/50 MVA, 132/33 kV	11.36	08:00	24-01-2022	0.1	16:00	16-01-2022	6.66	
	1	Tr-01/160 MVA, 220/132 kV	49.48	10:00	11-01-2022	2.37	13:00	18-01-2022	12.73	
	2	Tr-02/160 MVA, 220/132 kV	45.59	10:00	11-01-2022	2.16	11:00	03-01-2022	11.29	
Sekhopur Sarai GIS	3	Tr-01/50 MVA, 132/33 kV	5.42	09:00	09-01-2022	0.09	13:00	17-01-2022	3.32	
	4	Tr-02/50 MVA, 132/33 kV	14.69	10:00	09-01-2022	0.03	10:00	05-01-2022	8.46	
	1	Tr-01/160 MVA, 220/132 kV	43.30	08:00	07-01-2022	3.90	06:00	23-01-2022	18.32	
	2	Tr-02/160 MVA, 220/132 kV	44.18	18:00	19-01-2022	2.40	06:00	23-01-2022	20.02	
Haveli Kharagpur GIS	3	Tr-01/50 MVA, 132/33 kV	12.80	13:00	06-01-2022	0.20	16:00	01-01-2022	5.12	
	4	Tr-02/50 MVA, 132/33 kV	17.30	07:00	24-01-2022	0.5	06:00	23-01-2022	6.06	
	1	Tr-01/160 MVA, 220/132 kV	63.00	12:00	20-01-2022	10.30	13:00	17-01-2022	24.32	
	2	Tr-02/160 MVA, 220/132 kV	60.80	12:00	20-01-2022	8.90	13:00	17-01-2022	22.74	
Goradiah GIS	3	Tr-01/50 MVA, 132/33 kV	5.50	18:00	06-01-2022	0.50	14:00	07-01-2022	0.93	
	4	Tr-02/50 MVA, 132/33 kV	9.20	18:00	17-01-2022	0.20	13:00	17-01-2022	4.77	
	1	Tr-01/160 MVA, 220/132 kV	-72.40	18:00	18-01-2022	0.00	00:00	01-01-2022	1.12	
	2	Tr-02/160 MVA, 220/132 kV			Not Commissioned					
Mokama GIS	3	Tr-01/50 MVA, 132/33 kV	16.30	12:00	10-01-2022	0.00	15:00	05-01-2022	1.53	
	4	Tr-02/50 MVA, 132/33 kV	14.60	17:00	17-01-2022	0.00	15:00	16-01-2022	9.38	
	1	Tr-01/160 MVA, 220/132 kV			Not Commissioned					
	2	Tr-02/160 MVA, 220/132 kV	100.70	08:00	31-01-2022	0.00	01:00	01-01-2022	41.73	
Dumraon GIS	3	Tr-01/80 MVA, 132/33 kV			Not Commissioned					
	4	Tr-02/80 MVA, 132/33 kV	0.00	01:00	01-11-2021	0.00	00:00	30-11-2021	0.07	
	1	Tr-01/160 MVA, 220/132 kV	91.78	09:00	18-01-2022	3.39	14:00	06-01-2022	54.80	
	2	Tr-01/80 MVA, 132/33 kV	21.76	17:00	01-01-2022	0.26	19:00	19-01-2022	4.60	
Note	3	Tr-02/80 MVA, 132/33 kV	0.04	00:00	01-01-2022	0.02	07:00	22-01-2022	0.12	
	Negative sign(-) denote Import of power and positive sign (+) denote export of power. For example (-) 135.92 MW in Hajipur - Amnour ckt-1 denotes import of 135.92 MW from Hajipur S/S to Amnour S/S and 65.06 MW in Amnour-Siwan ckt-1 denotes 65.06 MW from Amnour to Siwan S/S.									

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