

BIHAR GRID COMPANY LIMITED
Loading level of Transmission Assets

Month: **March/2022**

Voltage Grade	S.No	Name of TL	Load MW						Avg of Month	Remark
			Max	Time	Date	Min	Time	Date		
			A. Power Flow in 400kV transmission line							
400 kv (04 nos.)	1	Patna(PG) - Naubatpur ckt - 01	-390.52	6:00	3-21-2022	-110.39	14:00	3-29-2022	17.61	
	2	Patna(PG) - Naubatpur ckt - 02	-392	6:00	3-21-2022	-111.56	13:00	3-29-2022	17.4	
	3	Naubatpur - Balia(PG) ckt - 01	389.32	6:00	3-21-2022	109.09	13:00	3-29-2022	-12.68	
	4	Naubatpur - Balia(PG) ckt - 02	392.96	6:00	3-21-2022	112.54	13:00	3-29-2022	-17.67	
B. Power Flow in 220kV transmission line										
220 kv (26 nos.)	1	Hajipur - Amnour ckt-01	126.2	20:00	19-03-2022	-31.46	15:00	01-03-2022	-77.56	
	2	Hajipur - Amnour ckt-02	-126.45	20:00	19-03-2022	-31.46	15:00	07-03-2022	-76.11	
	3	Patna (PG) - Khagaul ckt-02	123.34	20:00	25-03-2022	33.8	14:00	12-03-2022	78.30	
	4	Patna (PG) - Khagaul ckt-03	122.93	20:00	25-03-2022	33.65	14:00	12-03-2022	78.00	
	5	Khijirsarai - Biharsharif ckt-01	-103.80	07:00	01-03-2022	-0.1	13:00	01-03-2022	-45.31	
	6	Khijirsarai - Biharsharif ckt-02	-104.43	07:00	01-03-2022	-0.02	00:00	21-03-2022	-46.21	
	7	Khijirsarai - Bodh Gaya ckt-01	-67.17	14:00	18-03-2022	-4.9	17:00	07-03-2022	-35.05	
	8	Khijirsarai - Bodh Gaya ckt-02	-67.5	14:00	18-03-2022	-4.81	17:00	07-03-2022	-35.20	
	9	Khijirsarai - Gaya (PG) ckt-01	-92.15	21:00	27-03-2022	-19.91	15:00	01-03-2022	-55.98	
	10	Khijirsarai - Gaya (PG) ckt-02	-92.16	21:00	27-03-2022	-19.87	15:00	01-03-2022	-55.88	
	11	Khijirsarai - Narhat ckt-01	94.47	21:00	31-03-2022	34.03	17:00	26-03-2022	68.37	
	12	Khijirsarai - Narhat ckt-02	135.81	11:00	31-03-2022	34.01	17:00	26-03-2022	69.55	
	13	Narhat - Sekhopur Sarai ckt-01	-52.90	19:00	26-03-2022	-9.70	19:00	26-03-2022	48.80	
	14	Narhat - Sekhopur Sarai ckt-02	-54.90	19:00	26-03-2022	-9.80	19:00	26-03-2022	49.24	
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	56.00	19:00	03-03-2022	3.1	19:00	26-03-2022	31.57	
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	30.30	19:00	28-03-2022	11.8	19:00	08-03-2022	24.09	
	17	Haveli Kharagpur - Goradih ckt-01	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0	
	18	Haveli Kharagpur - Goradih ckt-02	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0	
	19	Mokama-Biharsharif ckt-1	-131.70	02:00	21-03-2022	0.00	01:00	02-03-2022	-31.14	
	20	Mokama-Biharsharif ckt-2	-130.40	02:00	21-03-2022	0.00	01:00	02-03-2022	-30.55	
	21	Mokama-BTPS ckt-1	122.30	02:00	21-03-2022	0.00	21:00	01-03-2022	18.84	
	22	Mokama-BTPS ckt-2	120.50	02:00	21-03-2022	0.00	21:00	01-03-2022	15.45	
	23	Aral(PG)-Dumraon New - 01	55.21	18:00	03-12-2022	0.01	14:00	17-03-2022	42.74	
	24	Aral(PG)-Dumraon New - 02	55.33	18:00	03-12-2022	-0.07	12:00	20-03-2022	42.89	
	25	Dumraon New-Nadokhar - 01	-94.36	18:00	03-12-2022	0.16	06:00	15-03-2022	-73.18	
	26	Dumraon New-Nadokhar - 02	-94.81	18:00	03-12-2022	0.11	06:00	15-03-2022	-73.49	
C. Power Flow in 132 kV transmission line										
132 kv (33 nos.)	1	Amnour - Siwan ckt-01	69.03	22:00	31-03-2022	5.85	17:00	31-03-2022	25.08	
	2	Amnour - Siwan ckt-02	82.23	22:00	30-03-2022	10.82	15:00	26-03-2022	28.57	
	3	Amnour - Chhapara ckt-01	84.02	20:00	28-03-2022	10.92	12:00	06-03-2022	39.40	
	4	Amnour - Chhapara ckt-02	72.86	22:00	31-03-2022	10.76	12:00	06-03-2022	35.33	
	5	Khijirsarai - Bodh Gaya ckt -03	0.53	22:00	29-03-2022	0	11:00	07-03-2022	0.01	
	6	Khijirsarai - Wairiganj ckt-01	43.83	09:00	30-03-2022	0.06	14:00	08-03-2022	29.43	
	7	Khijirsarai-Hulaganj ckt-01	0.1	20:00	31-03-2022	0	08:00	09-03-2022	0.00	
	8	Khijirsarai - Jehanabad ckt-01	86.30	19:00	01-04-2022	7.54	02:00	10-03-2022	47.82	
	9	Khijirsarai - Jehanabad ckt-02	86.36	19:00	02-04-2022	7.56	02:00	11-03-2022	47.79	
	10	Narhat - Nawadah ckt-01	34.99	20:00	16-03-2022	7.79	13:00	03-03-2022	22.34	
	11	Narhat - Nawadah ckt-02	31.19	19:00	17-03-2022	5.02	13:00	03-03-2022	19.20	
	12	Haveli Kharagpur - Sultanganj ckt-01	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
	13	Haveli Kharagpur - Sultanganj ckt-02	14.30	19:00	06-03-2022	0.60	15:00	05-03-2022	3.73	
	14	Haveli Kharagpur - Lakhisarai ckt-01	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.02	
	15	Haveli Kharagpur - Lakhisarai ckt-02	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.01	System connected but no power flow
	16	Haveli Kharagpur - Jamalpur ckt-01	39.20	20:00	14-03-2022	15.40	17:00	06-03-2022	13.25	
	17	Haveli Kharagpur - Jamalpur ckt-02	50.60	22:00	21-03-2022	3.60	17:00	26-03-2022	20.38	
	18	Sekhopur Sarai - Sekhpura ckt-01	19.80	19:00	26-03-2022	7.4	08:00	11-03-2022	18.22	
	19	Sekhopur Sarai - Sekhpura ckt-02	20.20	19:00	06-03-2022	6.3	20:00	28-03-2022	18.25	
	20	Sekhopur Sarai - Biharsharif	0	00:00	0	0	00:00	0	0.00	
	21	Goradih - Sultanganj ckt-01	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
	22	Goradih - Sultanganj ckt-02	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	System connected but no power flow
	23	Goradih - Kahalgaoan ckt-01	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
	24	Goradih - Kahalgaoan ckt-02	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
	25	Goradih - Sabour ckt-01	-8.60	18:00	31-03-2021	-0.01	20:00	28-03-2022	-5.64	
	26	Goradih - Sabour ckt-02	-8.60	18:00	31-03-2021	0.00	00:00	28-03-2021	-5.66	
	27	Mokama-Hatidih ckt-01	48.10	18:00	12-03-2022	0.00	03:00	01-03-2022	13.34	
	28	Mokama-Hatidih ckt-02	48.70	18:00	12-03-2022	0.00	03:00	01-03-2022	13.51	
	29	Dumraon New-Dumraon(BSPTCL) ckt-02	66.81	19:00	09-02-2022	-1.36	19:00	03-08-2022	52.78	
	30	Dumraon New-Buxar ckt-01	23.04	19:00	31-03-2022	5.62	16:00	26-03-2022	13.49	
	31	Dumraon New-Buxar ckt-02	22.94	19:00	31-03-2022	5.61	16:00	26-03-2022	13.42	
	32	Naubatpur - Masaurhi ckt - 01	-32.06	19:00	3-31-2022	0.04	1:40	3-31-2022	1.22	
	33	Naubatpur - Masaurhi ckt - 02	-32.32	19:00	3-31-2022	0.02	20:00	3-13-2022	1.13	
Substation Details	S.No.	MVA Capacity	Load MW						Avg of Month	Remark
			Max	Time	Date	Min	Time	Date		
			D. Power Flow in transformers							
Amnour GIS	1	Tr-01/160 MVA, 220/132 kV	125.66	20:00	19-03-2022	31.19	15:00	07-03-2022	77.37	
	2	Tr-02/160 MVA, 220/132 kV	127.39	20:00	19-03-2022	31.45	15:00	07-03-2022	78.25	
	3	Tr-01/50 MVA, 132/33 kV	23.44	20:00	17-03-2022	0.13	18:00	04-03-2022	13.25	
	4	Tr-02/50 MVA, 132/33 kV	42.61	20:00	31-03-2022	0.13	18:00	04-03-2022	13.54	
KhijirSarai GIS	1	Tr-01/160 MVA, 220/132 kV	112.37	19:00	18-03-2022	18.7	17:00	07-03-2022	69.12	
	2	Tr-02/160 MVA, 220/132 kV	115.67	19:00	18-03-2022	19.84	17:00	07-03-2022	71.46	
	3	Tr-01/50 MVA, 132/33 kV			Not Commissioned					
Narhat GIS	4	Tr-02/50 MVA, 132/33 kV	7.46	18:00	01-03-2022	0.03	14:00	11-03-2022	1.48	
	5	Tr-03/50 MVA, 132/33 kV	13.84	08:00	11-03-2022	0.03	15:00	07-03-2022	9.38	
	1	Tr-01/160 MVA, 220/132 kV	45.16	19:00	21-03-2022	8.62	07:00	02-03-2022	14.67	
	2	Tr-02/160 MVA, 220/132 kV	40.12	19:00	21-03-2022	5.38	12:00	16-03-2022	13.02	
	3	Tr-01/50 MVA, 132/33 kV	5.47	20:00	21-03-2022	0.09	13:00	31-03-2022	3.70	
Sekhopur Sarai GIS	4	Tr-02/50 MVA, 132/33 kV	15.01	08:00	11-03-2022	0.08	09:00	06-03-2022	10.15	
	1	Tr-01/160 MVA, 220/132 kV	25.20	19:00	26-03-2022	2.00	19:00	26-03-2022	22.52	
	2	Tr-02/160 MVA, 220/132 kV	25.6	19:00	26-03-2022	7.4	19:00	26-03-2022	24.8	
	3	Tr-01/50 MVA, 132/33 kV	1.10	19:00	05-03-2022	0.20	08:00	01-03-2022	0.82	
Haveli Kharagpur GIS	4	Tr-02/50 MVA, 132/33 kV	17.50	20:00	22-03-2022	2.6	08:00	02-03-2022	11.80	
	1	Tr-01/160 MVA, 220/132 kV	30.30	22:00	28-03-2022	4.30	17:00	26-03-2022	22.97	
	2	Tr-02/160 MVA, 220/132 kV	28.70	19:00	26-03-2022	3.00	17:00	26-03-2022	21.64	
	3	Tr-01/50 MVA, 132/33 kV	7.50	21:00	22-03-2022	1.70	14:00	04-03-2022	4	
Goradih GIS	4	Tr-02/50 MVA, 132/33 kV	7.80	18:00	01-03-2022	1.00	14:00	11-03-2022	2.90	
	1	Tr-01/160 MVA, 220/132 kV	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
	2	Tr-02/160 MVA, 220/132 kV	9.40	16:00	08-03-2022	0.00	15:00	02-03-2022	1.05	
	3	Tr-01/50 MVA, 132/33 kV	16.60	19:00	22-03-2022	0.00	13:00	08-03-2022	10.17	
Mokama GIS	1	Tr-01/160 MVA, 220/132 kV								
	2	Tr-02/160 MVA, 220/132 kV	96.40	18:00	12-03-2022	0.00	04:00	01-03-2022	27.49	
	3	Tr-01/80 MVA, 132/33 kV								
	4	Tr-02/80 MVA, 132/33 kV	0.00	00:00	01-03-2022	0.00	00:00	01-03-2022	0.00	
Dumraon GIS	1	Tr-01/160 MVA, 220/132 kV	106.26	19:00	31-03-2022	21.67	16:00	26-03-2022	65.49	
	2	Tr-01/80 MVA, 132/33 kV	0.04	00:00	03-03-2022	0.30	07:00	03-11-2022	0.30	
	3	Tr-02/80 MVA, 132/33 kV	20.46	19:00	31-03-2022	3.49	17:00	03-03-2022	13	