

BIHAR GRID COMPANY LIMITED

Loading level of Transmission Assets

Voltage Grade	S.No	Name of TL	Load						Month:	Remark		
			MW						Avg of Month			
			Max	Time	Date	Min	Time	Date				
A. Power Flow in 400kV transmission line												
400 kV (08 nos.)	1	Naubatpur - Patna(PG) ckt - 01	-531.96	01:00	15-05-2023	-34.02	14:00	02-05-2023	-296.74			
	2	Naubatpur - Patna(PG) ckt - 02	-534.09	01:00	15-05-2023	-34.5	14:00	02-05-2023	-298.10			
	3	Naubatpur - Ballia(PG) ckt - 01	388.77	01:00	15-05-2023	0.43	13:00	11-05-2023	162.74			
	4	Naubatpur - Ballia(PG) ckt - 02	391.31	01:00	15-05-2023	-0.02	09:00	30-05-2023	165.69			
	5	Jakkanpur - Nabinagar(NPGC) ckt - 01	-845.58	13:00	13-05-2023	-154.6	08:00	26-05-2023	493.66			
	6	Jakkanpur - Nabinagar(NPGC) ckt - 02	-552.52	14:00	11-05-2023	-154.2	08:00	26-05-2023	473.56			
	7	Jakkanpur - Patna(PG) ckt - 01	462.24	14:00	11-05-2023	80.74	08:00	26-05-2023	388.58			
	8	Jakkanpur - Patna(PG) ckt - 02	458.15	14:00	11-05-2023	80.12	08:00	26-05-2023	385.23			
B. Power Flow in 220kV transmission line												
220 kV (36 nos.)	1	Hajipur - Amnour ckt-01	-167.94	15:00	23-05-2023	-13.72	12:00	22-05-2023	-82.62			
	2	Hajipur - Amnour ckt-02	-181.95	13:00	19-05-2023	-18.47	09:00	22-05-2023	-81.24			
	3	Patna (PG) - Khagaul ckt-02	-90.45	22:00	16-05-2023	-1.32	19:00	26-05-2023	-42.18			
	4	Patna (PG) - Khagaul ckt-03	-89.97	22:00	16-05-2023	-1.22	19:00	26-05-2023	-42.20			
	5	Khijisara - Biharsharif ckt-01	-101.27	06:00	20-05-2023	-0.92	10:00	03-05-2023	-40.13			
	6	Khijisara - Biharsharif ckt-02	-112.05	17:00	26-05-2023	0.83	09:00	06-05-2023	-40.81			
	7	Khijisara - Both Gaya ckt-01	-84.49	13:00	13-05-2023	0.03	16:00	08-05-2023	-48.05			
	8	Khijisara - Both Gaya ckt-02	-84.94	13:00	13-05-2023	0.01	16:00	08-05-2023	-48.27			
	9	Khijisara - Gaya (PG) ckt-01	-119.67	12:00	16-05-2023	-19.08	20:00	26-05-2023	-73.21			
	10	Khijisara - Gaya (PG) ckt-02	-119.87	12:00	16-05-2023	-19.14	20:00	26-05-2023	-73.28			
	11	Khijisara - Narhat ckt-01	103.93	15:00	18-05-2023	29.16	18:00	25-05-2023	73.48			
	12	Khijisara - Narhat ckt-02	103.64	15:00	18-05-2023	29.25	18:00	25-05-2023	73.44			
	13	Narhat - Sekhopur Sarai ckt-01	82.29	13:00	16-05-2023	9.71	00:00	14-05-2023	44.61			
	14	Narhat - Sekhopur Sarai ckt-02	82.20	13:00	16-05-2023	9.70	00:00	14-05-2023	44.59			
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	77.30	12:00	16-05-2023	4.2	00:00	14-05-2023	40.29			
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	77.00	12:00	16-05-2023	4.2	00:00	14-05-2023	38.40			
	17	Haveli Kharagpur - Goradih ckt-01	81.3	15:00	18-05-2023	16.48	15:00	23-05-2023	6.81			
	18	Haveli Kharagpur - Goradih ckt-02	0.00	00:00	01-05-2023	0.00	00:00	31-05-2023	0.01	System connected but no power flow		
	19	Mokama-Biharsharif ckt-1	107.5	05:00	15-05-2023	0.00	17:00	03-05-2023	1.84			
	20	Mokama-Biharsharif ckt-2	123.8	06:00	01-05-2023	0.00	18:00	03-05-2023	3.71			
	21	Mokama-BTPS ckt-1	-123.2	05:00	15-05-2023	0.00	13:00	02-05-2023	-17.68			
	22	Mokama-BTPS ckt-2	-122.8	05:00	15-05-2023	0.00	02:00	01-05-2023	-17.62			
	23	Ara(PG)-Dumraon New - 01	-53.47	17:00	25-05-2023	-0.60	12:00	03-05-2023	40.93			
	24	Ara(PG)-Dumraon New - 02	-53.53	17:00	25-05-2023	-0.37	12:00	03-05-2023	41.16			
	25	Dumraon New-Nadokhar - 01	-68.21	15:00	22-05-2023	-0.17	01:00	01-05-2023	52.68			
	26	Dumraon New-Nadokhar - 02	-62.56	13:00	31-05-2023	-0.39	01:00	01-05-2023	48.13			
	27	Naubatpur - Ara(PG) Ckt-01	130.39	07:00	13-05-2023	13.5	19:00	26-05-2023	91.26			
	28	Naubatpur - Ara(PG) Ckt-02	129.97	07:00	13-05-2023	13.42	19:00	26-05-2023	91.29			
	29	Naubatpur - Khagaul Ckt-01	52.96	15:00	16-05-2023	0.02	17:00	05-05-2023	7.74			
	30	Naubatpur - Khagaul Ckt-02	53.21	15:00	16-05-2023	-0.03	00:00	20-05-2023	7.90			
	31	Naubatpur - Bhusaula Ckt-01	13.45	23:00	31-05-2023	1.58	07:00	22-05-2023	9.05			
	32	Naubatpur - Bhusaula Ckt-02	21.88	18:00	31-05-2023	1.07	04:00	22-05-2023	8.93			
	33	Naubatpur - Bihta Ckt-01	25.25	14:00	31-05-2023	0.11	02:00	27-05-2023	8.05			
	34	Naubatpur - Bihta Ckt-02	25.11	14:00	31-05-2023	-0.09	02:00	27-05-2023	8.12			
	35	Jakkanpur - Sipara ckt-03			System under shutdown since 27-04-2023							
	36	Jakkanpur - Khagaul ckt	158.86	23:00	20-05-2023	74.01	20:00	26-05-2023	128.77			
C. Power Flow in 132 kV transmission line												
132 kV (40 nos.)	1	Amnour - Siwan ckt-01	69.99	13:00	21-05-2023	0.57	09:00	23-05-2023	40.49			
	2	Amnour - Siwan ckt-02	70.37	20:00	22-05-2023	1.96	21:00	01-05-2023	41.26			
	3	Amnour - Chhapara ckt-01	56.01	00:00	28-05-2023	7.76	06:00	23-05-2023	24.25			
	4	Amnour - Chhapara ckt-02	60.61	13:00	23-05-2023	7.75	06:00	23-05-2023	27.59			
	5	Khijisara - Both Gaya ckt -03	0.09	01:00	02-05-2023	0.09	01:00	16-05-2023	0.00			
	6	Khijisara - Wajirganj ckt -01	53.32	11:00	23-05-2023	0.08	16:00	01-05-2023	35.03			
	7	Khijisara - Hulasganj ckt-01	38.03	07:00	30-05-2023	0.05	12:00	04-05-2023	23.43			
	8	Khijisara - Jehanabad ckt-01	90.93	15:00	26-05-2023	3.86	19:00	26-05-2023	52.39			
	9	Khijisara - Jehanabad ckt-02	90.45	14:00	26-05-2023	3.87	19:00	26-05-2023	52.25			
	10	Narhat - Nawadah ckt-01	30.16	14:00	13-05-2023	-0.24	20:00	26-05-2023	19.08			
	11	Narhat - Nawadah ckt-02	30.05	14:00	13-05-2023	-0.23	20:00	26-05-2023	19.03			
	12	Haveli Kharagpur - Sultanganj ckt-01	36.40	12:00	16-05-2023	30.50	15:00	16-05-2023	0.29			
	13	Haveli Kharagpur - Sultanganj ckt-02	36.30	12:00	16-05-2023	30.40	15:00	16-05-2023	0.29			
	14	Haveli Kharagpur - Lakhisarai ckt-01	0.00	00:00	01-05-2023	0.00	00:00	31-05-2023	0.01	System connected but no power flow		
	15	Haveli Kharagpur - Lakhisarai ckt-02	0.00	00:00	01-05-2023	0.00	00:00	01-05-2023	0.01			
	16	Haveli Kharagpur - Jamalpur ckt-01	33.30	01:00	31-05-2023	3.3	23:00	14-05-2023	23.40			
	17	Haveli Kharagpur - Jamalpur ckt-02	33.50	01:00	31-05-2023	6.4	23:00	14-05-2023	23.39			
	18	Sekhopur Sarai - Sekhpura ckt-01	40.30	20:00	21-05-2023	3.2	13:00	01-05-2023	20.30			
	19	Sekhopur Sarai - Sekhpura ckt-02	33.90	16:00	19-05-2023	1.3	14:00	26-05-2023	20.88			
	20	Sekhopur Sarai - Biharsharif	-44	12:00	16-05-2023	-0.5	17:00	25-05-2023	-26.70			
	21	Goradih - Sultanganj ckt-01	0.00	00:00	01-05-2023	0.00	00:00	01-05-2023	0.01	System connected but no power flow		
	22	Goradih - Sultanganj ckt-02	0.00	00:00	01-05-2023	0.00	00:00	01-05-2023	-0.01			
	23	Goradih - Kahalgauz ckt-01	33.20	14:00	18-05-2023	0.00	06:00	01-05-2023	0.25			
	24	Goradih - Kahalgauz ckt-02	33.60	14:00	18-05-2023	0.00	00:00	01-05-2023	0.25			
	25	Goradih - Sabour ckt-01	-16.20	19:00	31-05-2023	0.00	22:00	01-05-2023	-7.03			
	26	Goradih - Sabour ckt-02	-16.10	19:00	31-05-2023	0.00	22:00	26-04-2023	-7.06			
	27	Mokama-Hatidah ckt-01	26.90	08:00	05-05-2023	0.00	14:00	05-05-2023	10.23			
	28	Mokama-Hatidah ckt-02	27.10	08:00	05-05-2023	0.00	14:00	05-05-2023	10.37			
	29	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-01	27.81	20:00	13-05-2023	0.88	20:00	26-05-2023	-20.85			
	30	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-02	28.02	20:00	13-05-2023	0.88	20:00	26-05-2023	-21.01			
	31	Dumraon-Buxar ckt-01	28.04	19:00	18-05-2023	0.07	12:00	15-05-2023	-21.65			
	32	Dumraon-Buxar ckt-02	28.05	19:00	18-05-2023	0.07	12:00	15-05-2023	-21.66			
	33	Dumraon-Ara ckt-01	-12.69	20:00	12-05-2023	0.36	22:00	17-05-2023	10.10			
	34	Dumraon-Ara ckt-02	-12.72	20:00	12-05-2023	0.40	22:00	17-05-2023	10.16			
	35	Dumraon-Jagdishpur ckt-01	-5.84	04:00	30-05-2023	0.01	00:00	09-05-2023	4.53			
	36	Dumraon-Jagdishpur ckt-02	-5.83	04:00	30-05-2023	0.01	00:00	09-05-2023	4.52			
	37	Naubatpur - Misaurhi ckt - 01	23.57	16:00	31-05-2023	7.66	04:00	02-05-2023	14.98			
	38	Naubatpur - Misaurhi ckt - 02	26.95	11:00	27-05-2023	7.49	07:00	05-05-2023	15.31			
	39	Jakkanpur-Sipara-03	35.37	22:00	16-05-2023	0.06	12:00	04-05-2023	22.97			
	40	Jakkanpur-Patna	80.15	19:00	10-05-2023	21.57	21:00	26-05-2023	58.10			

BIHAR GRID COMPANY LIMITED
Loading level of Transmission Assets

Substation Details		S.No.	MVA Capacity	Load						Month:	May/2023	
				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	130.00	15:00	21-05-2023	6.83	12:00	22-05-2023	82.63			
	2	Tr-02-160 MVA, 220-132 kV	131.71	15:00	21-05-2023	6.89	12:00	22-05-2023	84.59			
	3	Tr-01-50 MVA, 132-33 kV	27.13	23:00	11-05-2023	0.08	08:00	23-05-2023	17.24			
	4	Tr-02-50 MVA, 132-33 kV	27.24	23:00	11-05-2023	0.08	08:00	23-05-2023	17.41			
Khijir Sarai GIS	1	Tr-01-160 MVA, 220-132 kV	120.14	20:00	17-05-2023	7.3	19:00	26-05-2023	86.96			
	2	Tr-02-160 MVA, 220-132 kV	123.55	20:00	17-05-2023	8.19	19:00	26-05-2023	89.74			
	3	Tr-01-50 MVA, 132-33 kV			Not Commissioned							
	4	Tr-02-50 MVA, 132-33 kV	15.16	20:00	18-05-2023	0.03	19:00	26-05-2023	4.87			
	5	Tr-03-50 MVA, 132-33 kV	13.54	08:00	31-05-2023	0.11	03:00	15-05-2023	8.64			
Narhat GIS	1	Tr-01-160 MVA, 220-132 kV	40.43	11:00	13-05-2023	6.76	20:00	26-05-2023	29.05			
	2	Tr-02-160 MVA, 220-132 kV	38.64	11:00	13-05-2023	5.78	20:00	26-05-2023	27.48			
	3	Tr-01-50 MVA, 132-33 kV	9.31	19:00	18-05-2023	0.10	20:00	11-05-2023	6.20			
	4	Tr-02-50 MVA, 132-33 kV	18.92	08:00	23-05-2023	0.03	14:00	13-05-2023	12.22			
Sekhopur Sarai GIS	1	Tr-01-160 MVA, 220-132 kV	21.20	07:00	08-05-2023	1.30	05:00	02-05-2023	17.11			
	2	Tr-02-160 MVA, 220-132 kV	27.70	18:00	17-05-2023	1.00	17:00	25-05-2023	19.64			
	3	Tr-01-50 MVA, 132-33 kV	1.30	07:00	08-05-2023	0.20	13:00	01-05-2023	1.20			
	4	Tr-02-50 MVA, 132-33 kV	19.20	08:00	21-05-2023	0.20	13:00	01-05-2023	15.92			
Haveli Kharagpur GIS	1	Tr-01-160 MVA, 220-132 kV	67.50	12:00	16-05-2023	5.50	00:00	14-05-2023	29.70			
	2	Tr-02-160 MVA, 220-132 kV	64.90	12:00	16-05-2023	4.00	00:00	14-05-2023	28.41			
	3	Tr-01-50 MVA, 132-33 kV	8.90	00:00	20-05-2023	1.30	14:00	23-05-2023	6.36			
	4	Tr-02-50 MVA, 132-33 kV	6.40	22:00	17-05-2023	1.10	15:00	04-05-2023	4.37			
Goradih GIS	1	Tr-01-160 MVA, 220-132 kV	81.00	14:00	18-05-2023	0.00	00:00	01-05-2023	6.60			
	2	Tr-02-160 MVA, 220-132 kV			Not Commissioned							
	3	Tr-01-50 MVA, 132-33 kV	15.60	19:00	14-05-2023	0.00	22:00	01-05-2023	10.12			
	4	Tr-02-50 MVA, 132-33 kV	18.00	19:00	10-05-2023	0.00	22:00	01-04-2023	10.06			
Mokama GIS	1	Tr-02-160 MVA, 220-132 kV	61.50	08:00	05-05-2023	0.00	13:00	23-05-2023	29.70			
	2	Tr-01-50 MVA, 132-33 kV			Not Commissioned							
	3	Tr-02-80 MVA, 132-33 kV	11.30	22:00	11-05-2023	0.00	02:00	01-05-2023	6.35			
Dumraon GIS	1	Tr-01-160 MVA, 220-132 kV	103.22	20:00	31-05-2023	6.54	19:00	26-05-2023	-74.85			
	2	Tr-01-160 MVA, 220-132 kV			Not Commissioned							
	3	Tr-01-80 MVA, 132-33 kV	23.57	20:00	18-05-2023	0.08	00:00	27-05-2023	-18.19			
	4	Tr-02-80 MVA, 132-33 kV	0.04	00:00	01-05-2023	0.03	19:00	02-05-2023	-0.01			
Naubatpur GIS	1	Tr-01-500 MVA, 400-220 kV	190.6	22:00	16-05-2023	34.09	20:00	26-05-2023	133.05			
	2	Tr-02-500 MVA, 400-220 kV	190.15	22:00	16-05-2023	34.34	20:00	26-05-2023	132.69			
	3	Tr-01-160 MVA, 220-132 kV	48.99	20:00	30-05-2023	0.15	19:00	26-05-2023	33.79			
	4	Tr-02-160 MVA, 220-132 kV			Not Commissioned							
Jakkanpur GIS	5	Tr-01-80 MVA, 132-33 kV	6.71	20:00	30-05-2023	0.03	13:00	06-05-2023	3.45			
	6	Tr-02-80 MVA, 132-33 kV	0.04	00:00	01-05-2023	0.03	01:00	01-05-2023	0.03			
	1	Tr-01-500 MVA, 400-220 kV	114.32	23:00	12-05-2023	29.89	08:00	18-05-2023	95.97			
	2	Tr-02-500 MVA, 400-220 kV	114.02	23:00	12-05-2023	29.79	08:00	18-05-2023	95.77			
	3	Tr-01-160 MVA, 220-132 kV	84.89	19:00	15-05-2023	18.64	20:00	26-05-2023	69.34			
	4	Tr-02-160 MVA, 220-132 kV			Not Commissioned							
	5	Tr-01-80 MVA, 132-33 kV			Not Commissioned							
	6	Tr-02-80 MVA, 132-33 kV	0.12	20:00	31-05-2023	0.03	00:00	01-05-2023	0.07			
Bhusaula GIS	7	Tr-03-80 MVA, 132-33 kV	0.08	00:00	07-05-2023	0.03	00:00	01-05-2023	0.04			
	8	Tr-04-80 MVA, 132-33 kV	0.11	19:00	04-05-2023	0.03	11:00	31-05-2023	0.06			
	1	Tr-01 100 MVA, 220-33kV	0.05	03:00	01-05-2023	0.04	01:00	10-05-2023	0.04			
	2	Tr-02 100 MVA, 220-33kV	24.23	23:00	31-05-2023	2.47	07:00	22-05-2023	16.64			
Note	Negative sign(-) denote import of power and positive sign (+) denote export of power. For example (-) 181.95 MW in Hajipur - Amnour ckt-2 denotes import of 181.95 MW from Hajipur S-5 to Amnour S-5 and 70.37 MW in Amnour -Sheen ckt-2 denotes 70.37 MW from Amnour to Sheen S-5.											