

BIHAR GRID COMPANY LIMITED
Loading level of Transmission Assets

BIHAR GRID COMPANY LIMITED										Month:	July 2023
Voltage Grade	S.No	Name of TL	Load							Avg of Month	Remark
			MW								
			Max	Time	Date	Min	Time	Date			
A. Power Flow in 400kV transmission line											
400 kV (08 nos.)	1	Naubatpur - Patna(PG) ckt - 01	-449.48	03:00	04-07-2023	-98.11	13:00	30-07-2023	-313.24		
	2	Naubatpur - Patna(PG) ckt - 02	-450.62	03:00	04-07-2023	-98.85	13:00	30-07-2023	-314.58		
	3	Naubatpur - Balia(PG) ckt - 01	329.91	03:00	04-07-2023	-1.78	15:00	15-07-2023	158.06		
	4	Naubatpur - Balia(PG) ckt - 02	332.69	03:00	04-07-2023	1.05	15:00	15-07-2023	160.98		
	5	Jakkanpur - Nabinagar(NPGC) ckt - 01	-681.73	15:00	18-07-2023	-141.76	08:00	29-07-2023	493.78		
	6	Jakkanpur - Nabinagar(NPGC) ckt - 02	-659.48	20:00	17-07-2023	-141.96	08:00	29-07-2023	494.89		
	7	Jakkanpur - Patna(PG) ckt - 01	428.78	23:00	09-07-2023	32.29	08:00	29-07-2023	370.05		
	8	Jakkanpur - Patna(PG) ckt - 02	425.43	23:00	09-07-2023	31.93	08:00	29-07-2023	363.68		
B. Power Flow in 220kV transmission line											
220 kV (36 nos.)	1	Hajipur - Amnour ckt-01	-125.72	20:00	03-07-2023	-11.8	16:00	14-07-2023	-59.80		
	2	Hajipur - Amnour ckt-02	-125.91	20:00	03-07-2023	-8.41	18:00	29-07-2023	-58.72		
	3	Patna (PG) - Khagaul ckt-02	-66.06	14:00	20-07-2023	-0.18	08:00	18-07-2023	36.38		
	4	Patna (PG) - Khagaul ckt-03	-65.49	14:00	20-07-2023	-0.15	08:00	18-07-2023	36.20		
	5	Khijirsarai - Biharsharif ckt-01	-107.06	07:00	14-07-2023	-0.09	00:00	10-07-2023	-48.59		
	6	Khijirsarai - Biharsharif ckt-02	-107.1	07:00	14-07-2023	-0.06	00:00	10-07-2023	-50.11		
	7	Khijirsarai - Bodh Gaya ckt-01	-69.75	00:00	20-07-2023	0.02	09:00	19-07-2023	-38.10		
	8	Khijirsarai - Bodh Gaya ckt-02	-70.09	00:00	20-07-2023	0.02	07:00	19-07-2023	-38.03		
	9	Khijirsarai - Gaya (PG) ckt-01	-132.96	19:00	18-07-2023	-13.05	07:00	01-07-2023	-72.64		
	10	Khijirsarai - Gaya (PG) ckt-02	-133.13	19:00	18-07-2023	-13.16	07:00	01-07-2023	-72.68		
	11	Khijirsarai - Narhat ckt-01	134.54	10:00	15-07-2023	26.01	16:00	02-07-2023	74.28		
	12	Khijirsarai - Narhat ckt-02	127.96	21:00	19-07-2023	26.03	16:00	02-07-2023	73.95		
	13	Narhat - Sekhopur Sarai ckt-01	85.72	14:00	22-07-2023	7.55	21:00	11-07-2023	35.96		
	14	Narhat - Sekhopur Sarai ckt-02	85.58	14:00	22-07-2023	7.55	21:00	11-07-2023	35.94		
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	64.90	06:00	03-07-2023	0.8	16:00	06-07-2023	17.07		
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	57.80	14:00	22-07-2023	0.2	16:00	06-07-2023	14.61		
	17	Haveli Kharagpur - Goradih ckt-01	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.00	System connected but no power flow	
	18	Haveli Kharagpur - Goradih ckt-02	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.00		
	19	Mokama-Biharsharif ckt-1	-97.40	20:00	11-07-2023	0.00	19:00	01-07-2023	-10.25		
	20	Mokama-Biharsharif ckt-2	-96.5	02:00	07-07-2023	0.00	19:00	01-07-2023	-10.27		
	21	Mokama-BTPS ckt-1	131.3	22:00	04-07-2023	0.00	15:00	01-07-2023	-15.30		
	22	Mokama-BTPS ckt-2	-117.8	08:00	21-07-2023	0.00	15:00	01-07-2023	-16.73		
	23	Ara(PG)-Dumraon New - 01	-46.8	06:00	14-07-2023	0.16	15:00	05-07-2023	36.36		
	24	Ara(PG)-Dumraon New - 02	-46.7	06:00	14-07-2023	0.20	15:00	05-07-2023	36.31		
	25	Dumraon New-Nadokhar - 01	-53.29	13:00	08-07-2023	0.07	08:00	05-07-2023	41.31		
	26	Dumraon New-Nadokhar - 02	-54.56	13:00	08-07-2023	-0.18	06:00	14-07-2023	42.10		
	27	Naubatpur- Ara(PG) Ckt-01	153.91	07:00	25-07-2023	41.65	17:00	04-07-2023	107.29		
	28	Naubatpur- Ara(PG) Ckt-02	153.78	07:00	25-07-2023	41.66	17:00	04-07-2023	107.33		
	29	Naubatpur- Khagaul Ckt-01	-50.66	08:00	18-07-2023	0.02	14:00	13-07-2023	0.39		
	30	Naubatpur- Khagaul Ckt-02	-50.7	08:00	18-07-2023	-0.02	12:00	19-07-2023	0.39		
	31	Naubatpur- Bhusaula Ckt-01	15.20	22:00	20-07-2023	1.44	11:00	02-07-2023	10.50		
	32	Naubatpur- Bhusaula Ckt-02	14.96	22:00	20-07-2023	1.24	11:00	02-07-2023	10.31		
	33	Naubatpur- Bihta Ckt-01	27.66	14:00	28-07-2023	-0.04	20:00	01-07-2023	13.02		
	34	Naubatpur- Bihta Ckt-02	27.54	13:00	24-07-2023	-0.04	20:00	01-07-2023	12.97		
	35	Jakkanpur - Sipara ckt-03	97.46	15:00	20-07-2023	29.75	10:00	28-07-2023	64.20		
	36	Jakkanpur - Khagaul ckt	155.17	22:00	17-07-2023	77.18	11:00	02-07-2023	136.25		
C. Power Flow in 132 kV transmission line											
132 kV (40 nos.)	1	Amnour - Siwan ckt-01	70.4	14:00	09-07-2023	0.01	11:00	10-07-2023	39.81		
	2	Amnour - Siwan ckt-02	70.57	14:00	09-07-2023	0.17	17:00	29-07-2023	40.76		
	3	Amnour - Chhapara ckt-01	49.45	14:00	07-07-2023	12.26	09:00	16-07-2023	27.06		
	4	Amnour - Chhapara ckt-02	58.29	00:00	30-07-2023	12.23	09:00	16-07-2023	27.99		
	5	Khijirsarai - Bodh Gaya ckt -03	43.03	14:00	19-07-2023	0.01	09:00	01-07-2023	2.24		
	6	Khijirsarai - Welirganj ckt -01	56.76	00:00	23-07-2023	0.00	00:00	04-07-2023	19.03		
	7	Khijirsarai-Hulasganj ckt-01	64.25	15:00	23-07-2023	0.00	06:00	04-07-2023	12.50		
	8	Khijirsarai - Jehanabad ckt-01	108.95	13:00	15-07-2023	14.78	04:00	01-07-2023	58.72		
	9	Khijirsarai - Jehanabad ckt-02	90.76	20:00	12-07-2023	14.77	04:00	01-07-2023	58.30		
	10	Narhat - Nawadah ckt-01	53.91	15:00	23-07-2023	4.04	06:00	03-07-2023	28.22		
	11	Narhat - Nawadah ckt-02	53.69	15:00	23-07-2023	4.02	06:00	03-07-2023	28.15		
	12	Haveli Kharagpur - Sultanganj ckt-01	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.01	System connected but no power flow	
	13	Haveli Kharagpur - Sultanganj ckt-02	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.01		
	14	Haveli Kharagpur - Lakhisarai ckt-01	16.80	13:00	22-07-2023	14.70	14:00	22-07-2023	0.06		
	15	Haveli Kharagpur - Lakhisarai ckt-02	16.90	13:00	22-07-2023	14.90	14:00	22-07-2023	0.05		
	16	Haveli Kharagpur- Jamalpur ckt-01	57.40	06:00	03-07-2023	10.5	17:00	21-07-2023	6.22		
	17	Haveli Kharagpur- Jamalpur ckt-02	52.80	10:00	04-07-2023	21.1	15:00	04-07-2023	1.14		
	18	Sekhopur Sarai - Sekhpura ckt-01	29.00	07:00	29-07-2023	3.2	18:00	02-07-2023	24.06		
	19	Sekhopur Sarai - Sekhpura ckt-02	44.50	12:00	21-07-2023	5.4	22:00	11-07-2023	25.04		
	20	Sekhopur Sarai - Biharsharif	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.01		
	21	Goradih - Sultanganj ckt-01	-30.40	20:00	19-07-2023	0.00	00:00	01-07-2023	-5.66		
	22	Goradih - Sultanganj ckt-02	-48.20	21:00	19-07-2023	0.00	00:00	14-07-2023	-6.26		
	23	Goradih - Kahalgaon ckt-01	50.80	17:00	08-07-2023	0.00	00:00	01-07-2023	0.78		
	24	Goradih - Kahalgaon ckt-02	30.60	20:00	19-07-2023	0.00	00:00	01-07-2023	0.56		
	25	Goradih - Sabour ckt-01	-31.10	17:00	08-07-2023	0.00	20:00	01-07-2023	-7.15		
	26	Goradih - Sabour ckt-02	-31.20	17:00	08-07-2023	0.00	20:00	01-07-2023	-7.03		
	27	Mokama-Hatidah ckt-01	40.60	20:00	24-07-2023	0.00	17:00	02-07-2023	22.84		
	28	Mokama-Hatidah ckt-02	41.00	20:00	24-07-2023	0.00	17:00	02-07-2023	23.10		
	29	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-01	33.16	18:00	28-07-2023	1.45	20:00	04-07-2023	-24.55		
	30	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-02	32.52	18:00	28-07-2023	1.35	20:00	04-07-2023	-24.13		
	31	Dumraon-Buxar ckt-01	35.36	12:00	29-07-2023	6.30	17:00	03-07-2023	-22.50		
	32	Dumraon-Buxar ckt-02	35.32	12:00	29-07-2023	6.36	17:00	03-07-2023	-22.42		
	33	Dumraon-Ara ckt-01	-21.89	08:00	20-07-2023	-5.87	16:00	22-07-2023	12.40		
	34	Dumraon-Ara ckt-02	-21.91	08:00	20-07-2023	-5.80	16:00	22-07-2023	12.47		
	35	Dumraon-Jagdishpur ckt-01	-13.89	19:00	17-07-2023	-0.01	04:00	23-07-2023	10.75		
	36	Dumraon-Jagdishpur ckt-02	-13.89	19:00	17-07-2023	-0.03	04:00	23-07-2023	10.73		
	37	Naubatpur - Mesaurhi ckt - 01	33.54	15:00	18-07-2023	8.53	05:00	02-07-2023	22.13		
	38	Naubatpur - Mesaurhi ckt - 02	33.36	15:00	18-07-2023	8.47	05:00	02-07-2023	21.90		
	39	Jakkanpur-Sipera-03	36.4	15:00	18-07-2023	6.52	05:00	02-07-2023	25.09		
	40	Jakkanpur-Fathua	47.33	16:00	04-07-2023	24.02	16:00	08-07-2023	44.35		

BIHAR GRID COMPANY LIMITED											
Loading level of Transmission Assets											
										Month:	July 2023
Substation Details	S.No.	MVA Capacity	Load						Avg of Month	Remark	
			MW								
			Max	Time	Date	Min	Time	Date			
D. Power Flow in transformers											
Amnour GIS	1	Tr-01-160 MVA, 220-132 kV	133.09	23:00	26-07-2023	21.46	18:00	29-07-2023	90.59		
	2	Tr-02-160 MVA, 220-132 kV	135.12	23:00	26-07-2023	22.08	18:00	29-07-2023	91.95		
	3	Tr-01-50 MVA, 132-33 kV	28.04	23:00	24-07-2023	0.12	19:00	04-07-2023	19.74		
	4	Tr-02-50 MVA, 132-33 kV	28.16	23:00	24-07-2023	0.12	19:00	04-07-2023	19.84		
KhijirSarai GIS	1	Tr-01-160 MVA, 220-132 kV	135.07	11:00	27-07-2023	18.59	17:00	04-07-2023	84.56		
	2	Tr-02-160 MVA, 220-132 kV	139.04	11:00	27-07-2023	19.83	17:00	04-07-2023	87.30		
	3	Tr-01-50 MVA, 132-33 kV			Not Commissioned						
	4	Tr-02-50 MVA, 132-33 kV	21.45	05:00	22-07-2023	0.03	00:00	02-07-2023	11.96		
	5	Tr-03-50 MVA, 132-33 kV	16.78	06:00	30-07-2023	0.05	00:00	04-07-2023	8.98		
Narhat GIS	1	Tr-01-160 MVA, 220-132 kV	58.62	00:00	09-07-2023	4.92	06:00	03-07-2023	38.43		
	2	Tr-02-160 MVA, 220-132 kV	56.34	00:00	09-07-2023	3.96	06:00	03-07-2023	36.66		
	3	Tr-01-50 MVA, 132-33 kV	10.21	05:00	28-07-2023	0.10	19:00	11-07-2023	6.36		
	4	Tr-02-50 MVA, 132-33 kV	22.32	19:00	31-07-2023	0.03	15:00	04-07-2023	12.34		
Sekhopur Sarai GIS	1	Tr-01-160 MVA, 220-132 kV	33.40	07:00	11-07-2023	0.90	02:00	02-07-2023	26.94		
	2	Tr-02-160 MVA, 220-132 kV	81.20	07:00	29-07-2023	6.00	17:00	02-07-2023	54.26		
	3	Tr-01-50 MVA, 132-33 kV	11.80	08:00	04-07-2023	0.20	09:00	20-07-2023	2.75		
	4	Tr-02-50 MVA, 132-33 kV	24.50	18:00	26-07-2023	1.10	18:00	06-07-2023	17.45		
Haveli Kharagpur GIS	1	Tr-01-160 MVA, 220-132 kV	56.10	14:00	22-07-2023	1.80	16:00	06-07-2023	10.41		
	2	Tr-02-160 MVA, 220-132 kV	54.00	14:00	22-07-2023	1.10	13:00	03-07-2023	9.39		
	3	Tr-01-50 MVA, 132-33 kV	15.10	22:00	09-07-2023	1.60	07:00	03-07-2023	7.95		
	4	Tr-02-50 MVA, 132-33 kV	14.20	22:00	14-07-2023	1.20	13:00	03-07-2023	4.28		
Goradih GIS	1	Tr-01-160 MVA, 220-132 kV	0.00	00:00	01-07-2023	0.00	00:00	01-07-2023	0.00		
	2	Tr-02-160 MVA, 220-132 kV			Not Commissioned						
	3	Tr-01-50 MVA, 132-33 kV	20.30	07:00	26-07-2023	0.00	14:00	04-07-2023	11.22		
	4	Tr-02-50 MVA, 132-33 kV	36.80	05:00	20-07-2022	0.00	17:00	02-07-2023	13.68		
Mokama GIS	1	Tr-02-160 MVA, 220-132 kV	94.00	20:00	24-07-2023	3.90	17:00	02-07-2023	53.30		
	2	Tr-01-50 MVA, 132-33 kV			Not Commissioned						
	3	Tr-02-80 MVA, 132-33 kV	13.40	20:00	23-07-2023	0.00	07:00	01-07-2023	7.04		
Dumraon GIS	1	Tr-01-160 MVA, 220-132 kV	117.17	21:00	31-07-2023	18.3	17:00	04-07-2023	-76.54		
	2	Tr-01-160 MVA, 220-132 kV			Not Commissioned						
	3	Tr-01-80 MVA, 132-33 kV	27.5	08:00	28-07-2023	0.09	17:00	01-07-2023	-21.22		
	4	Tr-02-80 MVA, 132-33 kV	0.04	00:00	01-07-2023	0.03	20:00	01-07-2023	-0.01		
Naubatpur GIS	1	Tr-01-500 MVA, 400-220 kV	200.88	14:00	28-07-2023	86.81	01:00	02-07-2023	154.22		
	2	Tr-02-500 MVA, 400-220 kV	200.65	14:00	28-07-2023	87.06	01:00	02-07-2023	153.43		
	3	Tr-01-160 MVA, 220-132 kV	69.44	15:00	18-07-2023	17.17	05:00	02-07-2023	46.41		
	4	Tr-02-160 MVA, 220-132 kV			Not Commissioned						
	5	Tr-01-80 MVA, 132-33 kV	4.23	07:00	01-07-2023	0.08	14:00	14-07-2023	2.26		
	6	Tr-02-80 MVA, 132-33 kV	0.04	00:00	01-07-2023	0.01	00:00	06-07-2023	0.05		
Jakkanpur GIS	1	Tr-01-500 MVA, 400-220 kV	204.07	23:00	27-07-2023	55	14:00	01-07-2023	133.52		
	2	Tr-02-500 MVA, 400-220 kV	146.83	16:00	24-07-2023	54.9	14:00	01-07-2023	129.07		
	3	Tr-01-160 MVA, 220-132 kV	76.91	16:00	20-07-2023	43.53	09:00	02-07-2023	64.04		
	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	20-07-2023	0.03	00:00	07-07-2023	0.08		
	7	Tr-03-80 MVA, 132-33 kV	0.09	10:00	07-07-2023	0.03	00:00	01-07-2023	0.03		
	8	Tr-04-80 MVA, 132-33 kV	0.09	17:00	27-07-2023	0.03	16:00	18-07-2023	0.06		
Bhusaula GIS	1	Tr-01 100 MVA, 220-33kV	30.66	23:00	19-07-2023	0.7	11:00	02-07-2023	20.59		
	2	Tr-02 100 MVA, 220-33kV	9.64	00:00	01-07-2023	0	12:00	01-07-2023	0.13		
Note	Negative sign(-) denote import of power and positive sign (+) denote export of power .For example (-) 125.91 MW in Hajipur - Amnour ckt-2 denotes import of 125.91 MW from Hajipur S-5 to Amnour S-5 and 70.57 MW in Amnour -Siwan ckt-2 denotes 70.57 MW from Amnour to Siwan S-5.										