

BIHAR GRID COMPANY LIMITED											
Loading level of Transmission Assets											
Voltage Grade	S.No	Name of TL	Load							Month:	February 2023
			MW							Avg of Month	Remark
			Max	Time	Date	Min	Time	Date			
A. Power Flow in 400kV transmission line											
400 kV (08 nos.)	1	Naubatpur - Patna(PG) ckt - 01	-477.24	19:00	14-02-2023	-205.76	16:00	12-02-2023	-327.94		
	2	Naubatpur - Patna(PG) ckt - 02	-479.32	19:00	14-02-2023	-204.54	16:00	12-02-2023	-329.34		
	3	Naubatpur - Ballia(PG) ckt - 01	405.25	20:00	07-02-2023	131.88	14:00	26-02-2023	255.15		
	4	Naubatpur - Ballia(PG) ckt - 02	481.57	19:00	11-02-2023	135.43	14:00	26-02-2023	256.80		
	5	Jakkanpur - Nabinagar(NPGC) ckt - 01	-447.88	20:00	04-02-2023	-151.64	04:00	28-02-2023	-392.76		
	6	Jakkanpur - Nabinagar(NPGC) ckt - 02	-448.64	21:00	04-02-2023	-151.71	04:00	28-02-2023	-393.28		
	7	Jakkanpur - Patna(PG) ckt - 01	354.18	22:00	01-02-2023	71.03	09:00	28-02-2023	296.99		
	8	Jakkanpur - Patna(PG) ckt - 02	351.25	22:00	01-02-2023	70.4	09:00	28-02-2023	299.62		
B. Power Flow in 220kV transmission line											
220 kV (36 nos.)	1	Hajipur - Amnour ckt-01	-115.48	19:00	13-02-2023	-26.88	15:00	12-02-2023	-72.64		
	2	Hajipur - Amnour ckt-02	-115.31	19:00	13-02-2023	-28.21	13:00	12-02-2023	-69.64		
	3	Patna (PG) - Khagaul ckt-02	53.52	08:00	06-02-2023	12.41	13:00	11-02-2023	34.77		
	4	Patna (PG) - Khagaul ckt-01	53.56	08:00	06-02-2023	12.33	13:00	11-02-2023	34.62		
	5	Khijirsarai - Biharsharif ckt-01	-131.44	07:00	14-02-2023	-3.61	15:00	12-02-2023	-72.05		
	6	Khijirsarai - Biharsharif ckt-02	-132.78	07:00	14-02-2023	-3.83	15:00	12-02-2023	-72.43		
	7	Khijirsarai - Bodh Gaya ckt-01	-50.88	14:00	19-02-2023	-0.01	04:00	14-02-2023	-24.68		
	8	Khijirsarai - Bodh Gaya ckt-02	-50.86	14:00	19-02-2023	0	00:00	27-02-2023	-23.17		
	9	Khijirsarai - Gaya (PG) ckt-01	-72.21	20:00	24-02-2023	-10.96	04:00	14-02-2023	-42.63		
	10	Khijirsarai - Gaya (PG) ckt-02	-71.04	20:00	22-02-2023	-10.94	04:00	14-02-2023	-41.90		
	11	Khijirsarai - Narhat ckt-01	118.66	09:00	05-02-2023	23.05	16:00	27-02-2023	68.85		
	12	Khijirsarai - Narhat ckt-02	133.34	13:00	15-02-2023	23.06	16:00	27-02-2023	70.02		
	13	Narhat - Sekhopur Sarai ckt-01	54.79	08:00	08-02-2023	-7.18	14:00	28-02-2023	18.23		
	14	Narhat - Sekhopur Sarai ckt-02	101.08	18:00	15-02-2023	-7.17	14:00	28-02-2023	18.50		
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	39.30	11:00	16-02-2023	-1.0	15:00	28-02-2023	23.84		
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	44.80	19:00	15-02-2023	-1.2	16:00	28-02-2023	24.27		
	17	Haveli Kharagpur - Goradih ckt-01	0	00:00	01-02-2023	0	00:00	28-02-2023	0.00	System connected but no power flow	
	18	Haveli Kharagpur - Goradih ckt-02	0	00:00	01-02-2023	0	00:00	28-02-2023	0.00		
	19	Mokama-Biharsharif ckt-1	114.8	02:00	28-02-2023	0.00	01:00	01-02-2023	18.37		
	20	Mokama-Biharsharif ckt-2	115.1	02:00	28-02-2023	0.00	01:00	01-02-2023	18.30		
	21	Mokama-BTPS ckt-1	-139.7	07:00	28-02-2023	0.00	13:00	03-02-2023	-37.53		
	22	Mokama-BTPS ckt-2	-139.4	07:00	28-02-2023	0.00	13:00	03-02-2023	-37.76		
	23	Ara(PG)-Dumraon New - 01	-53.17	19:00	28-02-2023	-0.16	18:00	01-02-2023	45.41		
	24	Ara(PG)-Dumraon New - 02	-53.04	19:00	28-02-2023	-0.02	18:00	01-02-2023	45.44		
	25	Dumraon New-Nadokhar - 01	-41.55	18:00	01-02-2023	-0.01	09:00	06-02-2023	35.60		
	26	Dumraon New-Nadokhar - 02	-42.07	18:00	01-02-2023	-0.03	10:00	06-02-2023	36.03		
	27	Naubatpur- Ara(PG) Ckt-01	155.97	18:00	01-02-2023	46.32	02:00	02-02-2023	96.60		
	28	Naubatpur- Ara(PG) Ckt-02	189.6	18:00	02-02-2023	46.10	02:00	02-02-2023	96.86		
	29	Naubatpur- Khagaul Ckt-01	-58.37	14:00	11-02-2023	-4.67	12:00	27-02-2023	-30.84		
	30	Naubatpur- Khagaul Ckt-02	-59.04	14:00	11-02-2023	-4.70	12:00	27-02-2023	-30.95		
	31	Naubatpur- Bhusaula Ckt-01	8.90	08:00	11-02-2023	0.13	06:00	28-02-2023	4.80		
	32	Naubatpur- Bhusaula Ckt-02	8.60	08:00	10-02-2023	-0.02	01:00	03-02-2023	4.60		
	33	Naubatpur- Bihta Ckt-01	-16.88	19:00	14-02-2023	-0.01	14:00	02-02-2023	-7.00		
	34	Naubatpur- Bihta Ckt-02	-17.06	19:00	14-02-2023	0.01	06:00	26-02-2023	-7.03		
	35	Jakkanpur - Sipara ckt-03	63.2	13:00	09-02-2023	25.66	03:00	28-02-2023	49.88		
	36	Jakkanpur - Khagaul ckt	128.06	10:00	24-02-2023	64.14	04:00	28-02-2023	95.60		
C. Power Flow in 132 kV transmission line											
132 kV (40 nos.)	1	Amnour - Siwan ckt-01	67.62	09:00	24-02-2023	0.02	01:00	07-02-2023	31.32		
	2	Amnour - Siwan ckt-02	68.38	18:00	24-02-2023	8.54	14:00	12-02-2023	34.65		
	3	Amnour - Chhapara ckt-01	63.00	06:00	04-02-2023	8.03	04:00	26-02-2023	28.95		
	4	Amnour - Chhapara ckt-02	72.7	07:00	05-02-2023	0.01	03:00	04-02-2023	29.25		
	5	Khijirsarai - Bodh Gaya ckt -03	21.33	14:00	19-02-2023	0.00	12:00	03-02-2023	0.08		
	6	Khijirsarai - Wajirganj ckt -01	53.03	09:00	26-02-2023	0.00	12:00	01-02-2023	17.60		
	7	Khijirsarai-Hulasganj ckt-01	40.07	08:00	12-02-2023	0.06	13:00	13-02-2023	19.88		
	8	Khijirsarai - Jehanabad ckt-01	67.82	19:00	12-02-2023	13.43	15:00	12-02-2023	44.07		
	9	Khijirsarai - Jehanabad ckt-02	67.78	19:00	12-02-2023	13.45	15:00	12-02-2023	44.05		
	10	Narhat - Nawadah ckt-01	55.77	18:00	08-02-2023	-2.36	14:00	28-02-2023	22.49		
	11	Narhat - Nawadah ckt-02	57.98	18:00	10-02-2023	9.67	14:00	12-02-2023	26.94		
	12	Haveli Kharagpur - Sultanganj ckt-01	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.00		
	13	Haveli Kharagpur - Sultanganj ckt-02	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.00	System connected but no power flow	
	14	Haveli Kharagpur - Lakhisarai ckt-01	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.00		
	15	Haveli Kharagpur - Lakhisarai ckt-02	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.00		
	16	Haveli Kharagpur- Jamalpur ckt-01	21.30	08:00	03-02-2023	6.5	14:00	19-02-2023	10.16		
	17	Haveli Kharagpur- Jamalpur ckt-02	23.20	17:00	12-02-2023	6.5	14:00	19-02-2023	10.25		
	18	Sekhopur Sarai - Sekhpura ckt-01	21.80	08:00	10-02-2023	3.2	04:00	11-02-2023	19.35		
	19	Sekhopur Sarai - Sekhpura ckt-02	21.00	08:00	10-02-2023	6.7	02:00	03-02-2023	19.40		
	20	Sekhopur Sarai - Biarsarif	-27.4	19:00	28-02-2023	1.5	18:00	28-02-2023	0.98		
	21	Goradih - Sultanganj ckt-01	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.01		
	22	Goradih - Sultanganj ckt-02	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.01	System connected but no power flow	
	23	Goradih - Kahalgaon ckt-01	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.01		
	24	Goradih - Kahalgaon ckt-02	0.00	00:00	01-02-2023	0.00	00:00	28-02-2023	0.00		
	25	Goradih - Sabour ckt-01	-12.40	17:00	09-02-2023	-0.20	10:00	26-02-2023	-8.75		
	26	Goradih - Sabour ckt-02	-12.50	17:00	09-02-2023	-0.20	10:00	26-02-2023	-8.78		
	27	Mokama-Hatidah ckt-01	32.30	08:00	06-02-2023	0.00	12:00	03-02-2023	17.10		
	28	Mokama-Hatidah ckt-02	32.50	08:00	06-02-2023	0.00	12:00	03-02-2023	17.25		
	29	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-01	28.51	12:00	03-02-2023	5.17	14:00	09-02-2023	-19.27		
	30	Dumraon new (BGCL)-Dumraon (BSPTCL) ckt-02	28.80	12:00	03-02-2023	5.25	14:00	09-02-2023	-19.44		
	31	Dumraon-Buxar ckt-01	21.67	08:00	03-02-2023	5.44	14:00	12-02-2023	-13.13		
	32	Dumraon-Buxar ckt-02	21.64	08:00	03-02-2023	5.44	14:00	12-02-2023	-13.11		
	33	Dumraon-Ara ckt-01	-14.05	18:00	10-02-2023	-3.36	14:00	12-02-2023	8.68		
	34	Dumraon-Ara ckt-02	-13.84	19:00	28-02-2023	-3.38	14:00	12-02-2023	8.48		
	35	Dumraon-Jagdishpur ckt-01	-14.20	12:00	05-02-2023	0.05	04:00	02-02-2023	12.22		
	36	Dumraon-Jagdishpur ckt-02	-14.10	12:00	05-02-2023	0.04	04:00	02-02-2023	12.13		
	37	Naubatpur - Masaurhi ckt - 01	14.35	18:00	27-02-2023	2.01	13:00	09-02-2023	8.04		
	38	Naubatpur - Masaurhi ckt - 02	14.27	18:00	27-02-2023	2.01	13:00	09-02-2023	7.98		
	39	Jakkanpur-Sipara-03	14.25	11:00	02-02-2023	1.32	14:00	24-02-2023	10.98		
	40	Jakkanpur-Fathua	55.27	17:00	24-02-2023	20.38	00:00	02-02-2023	43.66		

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	114.18	19:00	13-02-2023	0.06	16:00	12-02-2023	71.69	
	2	Tr-02-160 MVA, 220-132 kV	115.60	08:00	14-02-2023	0.05	16:00	12-02-2023	72.81	
	3	Tr-01-50 MVA, 132-33 kV	17.52	08:00	06-02-2023	0.04	17:00	12-02-2023	10.45	
	4	Tr-02-50 MVA, 132-33 kV	17.58	08:00	06-02-2023	0.14	12:00	26-02-2023	10.53	
KhijrSarai GIS	1	Tr-01-160 MVA, 220-132 kV	113.17	09:00	26-02-2023	16.61	15:00	12-02-2023	67.76	
	2	Tr-02-160 MVA, 220-132 kV	116.44	09:00	26-02-2023	17.72	15:00	12-02-2023	70.08	
	3	Tr-01-50 MVA, 132-33 kV	Not Commissioned							
	4	Tr-02-50 MVA, 132-33 kV	15.32	19:00	12-02-2023	0.03	12:00	13-02-2023	4.20	
	5	Tr-03-50 MVA, 132-33 kV	12.35	08:00	15-02-2023	0.08	13:00	12-02-2023	7.94	
Narhat GIS	1	Tr-01-160 MVA, 220-132 kV	66.80	18:00	08-02-2023	0.41	15:00	24-02-2023	15.99	
	2	Tr-02-160 MVA, 220-132 kV	66.22	19:00	04-02-2023	0.04	15:00	24-02-2023	16.05	
	3	Tr-01-50 MVA, 132-33 kV	20.76	18:00	21-02-2023	0.08	15:00	12-02-2023	9.77	
	4	Tr-02-50 MVA, 132-33 kV	22.12	18:00	24-02-2023	0.03	13:00	02-02-2023	4.99	
Sekhopur Sarai GIS	1	Tr-01-160 MVA, 220-132 kV	29.90	08:00	08-02-2023	3.60	12:00	28-02-2023	27.72	
	2	Tr-02-160 MVA, 220-132 kV	35.80	17:00	27-02-2023	3.40	12:00	28-02-2023	28.15	
	3	Tr-01-50 MVA, 132-33 kV	1.10	09:00	05-02-2023	0.20	16:00	01-02-2023	0.99	
	4	Tr-02-50 MVA, 132-33 kV	19.00	19:00	13-02-2023	1.60	16:00	27-02-2023	16.60	
Haveli Kharagpur GIS	1	Tr-01-160 MVA, 220-132 kV	26.80	08:00	10-02-2023	3.80	18:00	28-02-2023	13.17	
	2	Tr-02-160 MVA, 220-132 kV	45.00	18:00	06-02-2023	6.30	15:00	12-02-2023	12.52	
	3	Tr-01-50 MVA, 132-33 kV	9.60	18:00	23-02-2023	1.60	01:00	03-02-2023	3.43	
	4	Tr-02-50 MVA, 132-33 kV	4.90	18:00	09-02-2023	1.70	16:00	12-02-2023	1.79	
Goradih GIS	1	Tr-01-160 MVA, 220-132 kV	2.00	17:00	13-02-2023	0.00	00:00	01-02-2023	0.17	
	2	Tr-02-160 MVA, 220-132 kV	Not Commissioned							
	3	Tr-01-50 MVA, 132-33 kV	12.10	17:00	09-02-2023	0.20	12:00	13-02-2023	7.98	
	4	Tr-02-50 MVA, 132-33 kV	14.00	07:00	10-02-2023	0.00	17:00	13-02-2023	9.29	
Mokama GIS	1	Tr-02-160 MVA, 220-132 kV	72.30	08:00	06-02-2023	0.00	14:00	03-02-2023	39.38	
	2	Tr-01-50 MVA, 132-33 kV	Not Commissioned							
	3	Tr-02-80 MVA, 132-33 kV	8.30	08:00	07-02-2023	0.00	01:00	01-02-2023	1.27	
Dumraon GIS	1	Tr-01-160 MVA, 220-132 kV	90.24	08:00	02-02-2023	17.95	14:00	12-02-2023	-59.40	
	2	Tr-01-160 MVA, 220-132 kV	Not Commissioned							
	3	Tr-01-80 MVA, 132-33 kV	19.53	09:00	03-02-2023	0.06	17:00	08-02-2023	-16.68	
	4	Tr-02-80 MVA, 132-33 kV	9.93	13:00	18-02-2023	0.03	09:00	03-02-2023	-8.48	
Naubatpur GIS	1	Tr-01-500 MVA, 400-220 kV	197.85	10:00	24-02-2023	0.1	19:00	22-02-2023	63.99	
	2	Tr-02-500 MVA, 400-220 kV	195.76	19:00	11-02-2023	71.96	15:00	12-02-2023	128.97	
	3	Tr-01-160 MVA, 220-132 kV	31.18	19:00	27-02-2023	1.02	14:00	17-02-2023	18.12	
	4	Tr-02-160 MVA, 220-132 kV	Not Commissioned							
	5	Tr-01-80 MVA, 132-33 kV	6.12	08:00	09-02-2023	0.03	17:00	28-02-2023	2.01	
	6	Tr-02-80 MVA, 132-33 kV	0.04	00:00	01-02-2023	0.01	05:00	01-02-2023	0.03	
Jakkanpur GIS	1	Tr-01-500 MVA, 400-220 kV	121.99	10:00	24-02-2023	51.84	14:00	09-02-2023	109.58	
	2	Tr-02-500 MVA, 400-220 kV	121.97	10:00	24-02-2023	51.79	14:00	09-02-2023	109.48	
	3	Tr-01-160 MVA, 220-132 kV	60.68	19:00	24-02-2023	27.96	00:00	02-02-2023	52.66	
	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	Not Commissioned							
	7	Tr-03-80 MVA, 132-33 kV	Not Commissioned							
	8	Tr-04-80 MVA, 132-33 kV	0.1	00:00	01-02-2023	0.05	08:00	04-02-2023	0.09	
Bhusaula GIS	1	Tr-01 100 MVA, 220-33kV	Not Commissioned							
Note	Negative sign(-) denote import of power and positive sign (+) denote export of power .For example (-) 115.48 MW in Hajipur - Amnour ckt-1 denotes import of 115.48 MW from Hajipur S-5 to Amnour S-5 and 68.38 MW in Amnour -Siwan ckt-2 denotes 68.38 MW from Amnour to Siwan S-5.									

