


BIHAR GRID COMPANY LIMITED
Loading level of Transmission Assets

Voltage Grade	S.No	Name of TL	Load MW							Month:	November-2022	Remark
			Max	Time	Date	Min	Time	Date	Avg of Month			
			A. Power Flow in 400kV transmission line									
400 kv (08 nos.)	1	Naubatpur - Patna(PG) ckt - 01	-452.42	07:00	22-11-2022	-69.61	13:00	01-11-2022	-230.27			
	2	Naubatpur - Patna(PG) ckt - 02	-772.23	18:00	18-11-2022	-70.13	13:00	01-11-2022	-353.11			
	3	Naubatpur - Balia(PG) ckt - 01	445.48	09:00	24-11-2022	10.87	13:00	01-11-2022	199.01			
	4	Naubatpur - Balia(PG) ckt - 02	491.32	19:00	23-11-2022	14.14	13:00	01-11-2022	260.90			
	5	Jakkanpur - Nabinagar(NPGC) ckt - 01	-477.57	00:00	03-11-2022	-61.99	16:00	08-11-2022	-296.84			
	6	Jakkanpur - Nabinagar(NPGC) ckt - 02	-478.52	00:00	03-11-2022	-62.01	16:00	08-11-2022	-297.47			
	7	Jakkanpur - Patna(PG) ckt - 01	457.61	00:00	03-11-2022	39.94	16:00	08-11-2022	276.98			
	8	Jakkanpur - Patna(PG) ckt - 02	453.87	00:00	03-11-2022	39.53	16:00	08-11-2022	274.69			
220 kv (34 nos.)	B. Power Flow in 220kV transmission line											
	1	Hajipur - Amnour ckt-01	-117.93	18:00	03-11-2022	-47.53	14:00	11-11-2022	73.96			
	2	Hajipur - Amnour ckt-02	-118.02	18:00	03-11-2022	-47.75	14:00	11-11-2022	70.43			
	3	Patna (PG) - Khagaul ckt-02	61.87	08:00	30-11-2022	27.76	01:00	29-11-2022	44.90			
	4	Patna (PG) - Khagaul ckt-03	61.83	08:00	30-11-2022	27.55	01:00	29-11-2022	43.32			
	5	Khijirsarai - Biharsharif ckt-01	-141.46	07:00	13-11-2022	-24.3	13:00	03-11-2022	-82.05			
	6	Khijirsarai - Biharsharif ckt-02	-142.18	07:00	13-11-2022	-25.53	13:00	03-11-2022	-82.87			
	7	Khijirsarai - Bodh Gaya ckt-01	-42.30	17:00	11-11-2022	0.18	08:00	09-11-2022	-16.00			
	8	Khijirsarai - Bodh Gaya ckt-02	-42.38	17:00	11-11-2022	0.23	08:00	09-11-2022	-15.98			
	9	Khijirsarai - Gaya (PG) ckt-01	-71.92	17:00	10-11-2022	-12.31	15:00	24-11-2022	-34.25			
	10	Khijirsarai - Gaya (PG) ckt-02	-72.10	17:00	10-11-2022	-12.35	15:00	08-11-2022	-34.29			
	11	Khijirsarai - Narhat ckt-01	98.02	18:00	22-11-2022	39.39	03:00	26-11-2022	58.88			
	12	Khijirsarai - Narhat ckt-02	98.02	18:00	22-11-2022	39.46	03:00	26-11-2022	62.22			
	13	Narhat - Sekhopur Sarai ckt-01	53.62	18:00	01-11-2022	22.69	03:00	26-11-2022	17.66			
	14	Narhat - Sekhopur Sarai ckt-02	53.56	18:00	01-11-2022	22.83	03:00	26-11-2022	17.17			
	15	Sekhopur Sarai - Haveli Kharagpur ckt-01	28.4	14:00	28-11-2022	5.2	06:00	03-11-2022	21.97			
	16	Sekhopur Sarai - Haveli Kharagpur ckt-02	36.8	11:00	28-11-2022	4.7	06:00	03-11-2022	22.10			
	17	Haveli Kharagpur - Goradih ckt-01	0	00:00	00-00-0000	0	00:00	00-00-0000	0.00		System connected but no power flow	
	18	Haveli Kharagpur - Goradih ckt-02	0	00:00	00-00-0000	0	00:00	00-00-0000	0.00			
	19	Mokama-Biharsharif ckt-1	93.80	08:00	13-11-2022	0.00	01:00	01-11-2022	36.28			
	20	Mokama-Biharsharif ckt-2	91.90	08:00	13-11-2022	0.00	01:00	01-11-2022	36.68			
	21	Mokama-BTPS ckt-1	-154.60	10:00	24-11-2022	0.00	20:00	01-11-2022	-57.89			
	22	Mokama-BTPS ckt-2	-116.90	08:00	13-11-2022	0.00	20:00	01-11-2022	-56.46			
	23	Ara(PG)-Dumraon New - 01	-43.93	18:00	25-11-2022	0.04	20:00	30-11-2022	-15.52			
	24	Ara(PG)-Dumraon New - 02	-44.22	18:00	25-11-2022	0.07	11:00	28-11-2022	-15.50			
	25	Dumraon New-Nadokhar - 01	-56.45	18:00	29-11-2022	0.03	10:00	13-11-2022	-13.35			
	26	Dumraon New-Nadokhar - 02	-56.92	18:00	29-11-2022	-0.04	12:00	16-11-2022	-13.47			
	27	Naubatpur- Ara(PG) Ckt-01	162.47	18:00	09-11-2022	18.97	23:00	29-11-2022	71.86			
	28	Naubatpur- Ara(PG) Ckt-02	146.58	17:00	07-11-2022	19.11	23:00	29-11-2022	72.33			
	29	Naubatpur- Khagaul Ckt-01	36.38	08:00	22-11-2022	0.08	01:00	02-11-2022	-13.09			
	30	Naubatpur- Khagaul Ckt-02	36.59	08:00	22-11-2022	0.01	01:00	02-11-2022	-13.16			
	31	Naubatpur- Bhusaula Ckt-01	0.24	02:00	20-11-2022	0.02	17:00	19-11-2022	0.07			
	32	Naubatpur- Bhusaula Ckt-02	0.15	07:00	24-11-2022	0.00	16:00	07-11-2022	0.09			
	33	Naubatpur- Bihta Ckt-01	-20.83	13:00	14-11-2022	0.01	23:00	29-11-2022	-6.11			
34	Naubatpur- Bihta Ckt-02	-15.75	08:00	22-11-2022	0.01	23:00	29-11-2022	-6.00				
132 kv (40 nos.)	C. Power Flow in 132 kv transmission line											
	1	Amnour - Siwan ckt-01	60.97	18:00	03-11-2022	16.48	15:00	30-11-2022	32.20			
	2	Amnour - Siwan ckt-02	61.35	18:00	03-11-2022	16.75	15:00	30-11-2022	32.44			
	3	Amnour - Chhapara ckt-01	52.28	19:00	05-11-2022	18.39	16:00	05-11-2022	30.91			
	4	Amnour - Chhapara ckt-02	51.39	19:00	05-11-2022	18.45	16:00	05-11-2022	30.90			
	5	Khijirsarai - Bodh Gaya ckt -03	-30.79	10:00	18-11-2022	0.01	08:00	01-11-2022	8.06			
	6	Khijirsarai - Wajirganj ckt -01	41.97	18:00	24-11-2022	0.01	15:00	24-11-2022	27.17			
	7	Khijirsarai-Hulasganj ckt-01	31.58	07:00	22-11-2022	0.06	14:00	09-11-2022	18.38			
	8	Khijirsarai - Jehanabad ckt-01	69.03	18:00	11-11-2022	13.71	07:00	07-11-2022	39.55			
	9	Khijirsarai - Jehanabad ckt-02	69.04	18:00	11-11-2022	13.68	07:00	07-11-2022	39.54			
	10	Narhat - Nawada ckt-01	43.69	18:00	22-11-2022	7.61	12:00	16-11-2022	19.26			
	11	Narhat - Nawada ckt-02	41.02	18:00	22-11-2022	6.38	12:00	16-11-2022	17.42			
	12	Haveli Kharagpur - Sultanganj ckt-01	0.00	00:00	00-00-0000	0.00	00:00	00-00-0000	0.00		System connected but no power flow	
	13	Haveli Kharagpur - Sultanganj ckt-02	0.00	00:00	00-00-0000	0.00	00:00	00-00-0000	0.00			
	14	Haveli Kharagpur - Lakhisarai ckt-01	0.00	00:00	00-00-0000	0.00	00:00	00-00-0000	0.00			
	15	Haveli Kharagpur - Lakhisarai ckt-02	0.00	00:00	00-00-0000	0.00	00:00	00-00-0000	0.00			
	16	Haveli Kharagpur- Jamalpur ckt-01	20.90	19:00	02-11-2022	3.20	11:00	19-11-2022	14.06			
	17	Haveli Kharagpur- Jamalpur ckt-02	20.70	19:00	02-11-2022	3.00	11:00	19-11-2022	14.05			
	18	Sekhopur Sarai - Sekhpura ckt-01	19.40	18:00	01-11-2022	3.10	13:00	19-11-2022	17.97			
	19	Sekhopur Sarai - Sekhpura ckt-02	19.50	18:00	01-11-2022	3.60	13:00	03-11-2022	18.05			
	20	Sekhopur Sarai - Biহারsarif	0.00	00:00	00-00-0000	0.00	00:00	00-00-0000	0.00			
	21	Goradih - Sultanganj ckt-01	0.00	00:00	01-11-2022	0.00	00:00	01-11-2022	0.01		System connected but no power flow	
	22	Goradih - Sultanganj ckt-02	0.00	00:00	01-11-2022	0.00	00:00	01-11-2022	0.01			
	23	Goradih - Kahalgaon ckt-01	0.00	00:00	01-11-2022	0.00	00:00	01-11-2022	0.01			
	24	Goradih - Kahalgaon ckt-02	0.00	00:00	01-11-2022	0.00	00:00	01-11-2022	0.01			
	25	Goradih -Sabour ckt-01	-15.60	17:00	01-11-2022	-0.30	18:00	08-11-2022	-9.88			
	26	Goradih - Sabour ckt-02	-15.70	17:00	01-11-2022	-0.40	17:00	04-11-2022	-9.92			
	27	Mokama-Hatidah ckt-01	29.80	07:00	03-11-2022	6.90	19:00	08-11-2022	17.75			
	28	Mokama-Hatidah ckt-02	30.20	07:00	03-11-2022	6.90	19:00	08-11-2022	17.90			
	29	DUMRAON-DUMRAON ckt-01	47.12	08:00	24-11-2022	-1.55	15:00	09-11-2022	16.91			
	30	DUMRAON-DUMRAON CKT 02	47.49	08:00	24-11-2022	-0.97	15:00	09-11-2022	17.04			
	31	DUMRAON-BUXAR ckt-01	22.14	19:00	08-11-2022	0.12	07:00	19-11-2022	13.12			
	32	DUMRAON-BUXAR ckt-02	38.08	09:00	14-11-2022	0.08	13:00	19-11-2022	13.11			
	33	DUMRAON-ARA ckt-01	-29.09	09:00	25-11-2022	-0.39	13:00	19-11-2022	-5.32			
	34	DUMRAON-ARA ckt-02	-29.14	09:00	25-11-2022	-0.36	13:00	19-11-2022	-5.33			
	35	DUMRAON-JAGDISHPUR ckt-01	18.61	18:00	26-11-2022	0.01	12:00	02-11-2022	-1.40			
36	DUMRAON-JAGDISHPUR ckt-02	18.60	18:00	26-11-2022	0.01	12:00	02-11-2022	-1.27				

	37	Naubatpur - Masaurhi ckt - 01	17.38	12:00	29-11-2022	0.23	17:00	18-11-2022	7.87	
	38	Naubatpur - Masaurhi ckt - 02	15.19	11:00	23-11-2022	0.00	12:00	29-11-2022	7.59	
	39	JAKKANPUR-SIPARA-03	44.00	11:00	10-11-2022	-6.19	07:00	09-11-2022	23.06	
	40	JAKKANPUR-FATUHA	46.27	17:00	23-11-2022	6.12	07:00	09-11-2022	36.84	
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	116.69	18:00	03-11-2022	46.43	14:00	11-11-2022	73.30	
	2	Tr-02-160 MVA, 220-132 kV	118.16	18:00	03-11-2022	47.37	14:00	11-11-2022	74.27	
	3	Tr-01-50 MVA, 132-33 kV	17.24	19:00	08-11-2022	0.28	06:00	03-11-2022	10.70	
	4	Tr-02-50 MVA, 132-33 kV	17.30	19:00	08-11-2022	0.05	11:00	22-11-2022	10.75	
KhijirSarai GIS	1	Tr-01-160 MVA, 220-132 kV	119.38	18:00	20-11-2022	32.25	15:00	09-11-2022	70.92	
	2	Tr-02-160 MVA, 220-132 kV	112.78	18:00	20-11-2022	33.53	15:00	09-11-2022	73.29	
	3	Tr-02-50 MVA, 132-33 kV	9.22	07:00	17-11-2022	0.03	19:00	03-11-2022	3.96	
	4	Tr-03-50 MVA, 132-33 kV	18.17	07:00	02-11-2022	0.16	16:00	11-11-2022	7.50	
Narhat GIS	1	Tr-01-160 MVA, 220-132 kV	53.10	18:00	22-11-2022	13.21	14:00	01-11-2022	12.93	
	2	Tr-02-160 MVA, 220-132 kV	49.55	18:00	22-11-2022	12.46	12:00	16-11-2022	11.64	
	3	Tr-01-50 MVA, 132-33 kV	6.65	09:00	21-11-2022	0.08	15:00	11-11-2022	4.02	
	4	Tr-02-50 MVA, 132-33 kV	13.81	10:00	27-11-2022	0.04	11:00	11-11-2022	8.44	
Sekhopur Sarai GIS	1	Tr-01-160 MVA, 220-132 kV	27.40	18:00	01-11-2022	7.10	13:00	03-11-2022	25.45	
	2	Tr-02-160 MVA, 220-132 kV	39.30	11:00	05-11-2022	7.00	13:00	03-11-2022	25.87	
	3	Tr-01-50 MVA, 132-33 kV	0.90	08:00	07-11-2022	0.20	06:00	01-11-2022	0.73	
	4	Tr-02-50 MVA, 132-33 kV	18.10	18:00	03-11-2022	1.40	14:00	08-11-2022	15.12	
Haveli Kharagpur GIS	1	Tr-01-160 MVA, 220-132 kV	26.20	18:00	01-11-2022	6.70	11:00	19-11-2022	18.05	
	2	Tr-02-160 MVA, 220-132 kV	25.10	15:00	19-11-2022	5.10	11:00	19-11-2022	16.88	
	3	Tr-01-50 MVA, 132-33 kV	5.80	19:00	08-11-2022	1.60	12:00	18-11-2022	4.03	
	4	Tr-02-50 MVA, 132-33 kV	4.60	18:00	01-11-2022	1.00	13:00	21-11-2022	2.72	
Goradh GIS	1	Tr-01-160 MVA, 220-132 kV	0.00	00:00	01-11-2022	0.00	00:00	01-11-2022	-0.04	
	2	Tr-01-50 MVA, 132-33 kV	13.50	17:00	01-11-2022	0.00	06:00	02-11-2022	5.81	
	3	Tr-02-50 MVA, 132-33 kV	28.00	17:00	12-11-2022	0.00	17:00	02-11-2022	13.82	
Mokama GIS	1	Tr-02-160 MVA, 220-132 kV	63.00	08:00	30-11-2022	17.40	15:00	17-11-2022	39.77	
	2	Tr-02-80 MVA, 132-33 kV	8.20	19:00	08-11-2022	0.00	01:00	01-11-2022	0.77	
Dumraon GIS	1	Tr-01-160 MVA, 220-132 kV	142.26	18:00	26-11-2022	24.48	13:00	19-11-2022	57.03	
	2	Tr-02-160 MVA, 220-132 kV	Not Commissioned							
	3	Tr-01-80 MVA, 132-33 kV	17.60	18:00	03-11-2022	3.45	16:00	15-11-2022	10.81	
	4	Tr-02-80 MVA, 132-33 kV	0.00	00:00	01-09-2022	0.00	00:00	31-09-2022	0.00	
Naubatpur GIS	1	Tr-01-500 MVA, 400-220 kV	Not Commissioned							
	2	Tr-02-500 MVA, 400-220 kV	215.13	20:00	08-11-2022	64.98	14:00	18-11-2022	-123.17	
	3	Tr-01-160 MVA, 220-132 kV	32.18	11:00	23-11-2022	2.17	16:00	05-11-2022	17.51	
	4	Tr-01-80 MVA, 132-33 kV	0.04	00:00	01-11-2022	0.03	08:00	01-11-2022	0.03	
	5	Tr-02-80 MVA, 132-33 kV	3.07	07:00	06-11-2022	0.08	10:00	21-11-2022	1.85	
Jakkanpur GIS	1	Tr-01-500 MVA, 400-220 kV	60.31	18:00	04-11-2022	15.93	16:00	07-11-2022	35.04	
	2	Tr-02-500 MVA, 400-220 kV	33.03	11:00	10-11-2022	0.05	12:00	06-11-2022	27.01	
	3	Tr-01-160 MVA, 220-132 kV	65.77	11:00	10-11-2022	29.04	15:00	07-11-2022	57.61	
	4	Tr-01-80 MVA, 132-33 kV	Not Commissioned							
	5	Tr-02-80 MVA, 132-33 kV	Not Commissioned							
	6	Tr-04-80 MVA, 132-33 kV	0.20	23:00	18-11-2022	0.05	08:00	25-11-2022	0.090	
Bhusaula GIS	1	Tr-01 100 MVA, 220-33kV	0.70	00:00	01-11-2022	0.50	00:00	01-11-2022	0.60	
	2	Tr-02 100 MVA, 220-33kV	Not Commissioned							
Note	Negative sign(-) denote import of power and positive sign (+) denote export of power.									


JASHBANS KR. SINGH
 CH. MGR (O&M)