

PATNA (EAST) TRANSMISSION CIRCLE														
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)	
1	Sampatchak	a) Patna (PG) - Gaurichak ckt1	Zebra	191	a) Gaurichak - Jakkanpur - 1	HTLS	78	a) 160MVA ICT - 1	120	a) 150MVA ICT - 2	104	a) 50MVA ICT- 2	1.Normally charged on no load 2.Last time loaded on dated 03.09.2019 (22MW)	
		b) Patna (PG) - Gaurichak ckt2	Zebra	197	b) Gaurichak - Jakkanpur - 2	HTLS	78			b) 150MVA ICT - 3	105	b) 50MVA ICT- 3	Augmentation in progrrees.	
		c) Patna (PG) - Gaurichak ckt3	twin zebra	289	c) Gaurichak - Gaya- 1 (Mashurhi)	Panther	41					c) 80MVA ICT- 4	64	
		d) Gaurichak - Fatuha S/C	Zebra	121	d) Gaurichak - Gaya- 2 (Jahanabad)	Panther	59							
		e) Gaurichak - Khagaul S/C	Zebra	140	e) Gaurichak -Mithapur S/C T/L	HTLS	103							
		f) Gaurichak - Bihta ckt1	Zebra	116	f) Gaurichak - Fatuha S/C T/L	HTLS/ Zebra	67							
		f) Gaurichak - Bihta ckt2	Zebra	Charged on No load up to gantry										
2	Fatuha	a) Biharsharif ckt-1	ZEBRA	116	a) Gaighat S/C T/L	HTLS PANTHER	84			a)100 MVA ICT 1	70	a)50 MVA ICT1	27	
		b) Biharsharif ckt-2	ZEBRA	117	b)Katra S/C T/L	HTLS PANTHER	113			b)100 MVA ICT 2	70	b)50 MVA ICT2	28	
		c) Sipara S/C T/L	ZEBRA	117	c) Railway S/C T/L	PANTHER	17			c)100 MVA ICT 3	70	c)50 MVA ICT3	28	
		d) Patna(PG) S/C T/L	ZEBRA	174	d) Harnaut S/C T/L	PANTHER	75			d)100 MVA ICT 4	69			
					e) Sipara S/C T/L	HTLS	67			e)100 MVA ICT 5	70			
3	Katra				a) Fathua - Katra S/C T/L	HTLS	113					a) 80 MVA ICT1	29	
					b) katra-Gaighat S/C T/L	HTLS	17					b) 80 MVA ICT2	29	
							c) 80 MVA ICT3					29		
													d) 80 MVA ICT4	29
4	Masaudhi				a) Jehanabad-Masurdhi S/C T/L	Panther	1.Normally charged on no load 2.Last time loaded on dated 03.09.2019 (22MW)					a)20 MVA ICT1	1.Normally charged on no load 2.Last time loaded on dated 15.09.2019 (15MW)	
					b)Gaurichak -Masaurhi S/C T/L	Panther	40					b)20 MVA ICT2	1.Normally charged on no load 2.Last time loaded on dated 15.09.2019 (15MW)	
							b)50 MVA ICT3					40		

5	Barh		a) BiharSharif-Barh S/C T/L	Panther	40			a) 50MVA ICT1	13
			b) Barh-Hathidah S/C T/L	Panther	1.Normally charged on no load 2.Last time loaded on dated 14.09.2019 (36 MW)			b)50MVA ICT2	32
6	Hathidah		a) Hathidah-BiharSharif ckt-2	Panther	40			a) 20MVA ICT1	9.5
			b) Hathidah-Barh T/L (Hathidah- BiharSharif ckt-1)	Panther	25			b) 20MVA ICT2	9.5
			c) Hathidah- Lakhisarai S/C T/L	Panther	65			c) 20MVA ICT3	9.5
			d) Hathidah-Sheikhpura S/C T/L	Panther	Charged on no load				
7	Gaighat		a) Fatuha-Gaighat S/C T/L	HTLS	88			a)80 MVA ICT1	44
			b) Katra -Gaighat S/C T/L	HTLS	58			b)80 MVA ICT2	44
								c)80 MVA ICT3	in shut down
8	Mithapur	P	a)SIPARA MITHAPUR LINE	1.HTLS PANTHER from gaurichak TO 21 NO TOWER(tower no 35 to 1),ZEBRA conductor from tower no. 30 to jakkanpur grid	64			a)80 MVA ICT1	32
			b)Karbughaia -Mithapur line (T connection of Karbighaia in Mithapur Sipara T/L)	HTLS	64			b)80 MVA ICT2	32

PATNA(WEST) TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)
1	Khagaul	a) Patna(PG) -Khagaul ckt1	zebra	145	a) Digha ckt1	panther	50			a)100 MVA ICT1	76	a) 80 MVA ICT1	40
		b) Patna(PG) -Khagaul ckt2	zebra	145	b) Digha ckt2	panther	50			b)100 MVA ICT2	76	b) 80 MVA ICT2	40
		c) Patna(PG) -Khagaul ckt3	zebra	145	c) Bihta ckt1	panther	48			c)100 MVA ICT3	76	c) 80 MVA ICT3	40
		d) Gaurichak-khagaul line	zebra	140	d) Bihta ckt2	panther	48			d)100 MVA ICT4	76	d) 80 MVA ICT4	40
					e) Railway S/C T/L	panther	5					e) 80 MVA ICT5	40
2	Bihta(New)	a) Gaurichak - Bihta ckt1	zebra	116	a) Bihta(New)-Bihta ckt1	Zebra	115			a)160 MVA ICT1	116	a) 50MVA Transformer-1	0.9
		b) Gaurichak - Bihta ckt2	zebra	Charged on No load up to gantry	b) Bihta(New)-Bihta ckt2	Zebra	Charged on No load up to gantry			b)160 MVA ICT2	Not commisioned	a) 50MVA Transformer-2	Charged on No load
3	Digha				a) Khagaul Digha ckt 1	Panther + UG Cable	50					a) 80 MVA ICT1	33
					b) Khagaul Digha line 2	Panther + UG Cable	50					b) 80 MVA ICT2	33
												c) 80 MVA ICT3	33
4	Kabrigahiya				a)Gaurichak -Mithapur-Karbigahia line(T connection of Karbigahaia in Mithapur Sipara T/L)	630 sqmm XLPE Cable	56					a)50MVA T1	30
					b)Jakkanpur karbigahia S/C T/L	630sqmm. XLPE Cable	40					b)50MVA T2	32
												c)50MVA T3	32
5	Jakkanpur				a) Gaurichak-Jakkanpur ckt1	HTLS	76					a)80MVA T1	36
					b) Gaurichak-Jakkanpur ckt2	HTLS	76					a)80MVA T2	36
					c) Jakkanpur-Karbighia S/C T/L	ZEBRA	40					a)50MVA T3	10
6	Bihta(Old)				a) Khagaul-Bihta ckt1	Panther	48					a) 50MVA Transformer-1	27
					b) Khagaul-Bihta ckt2	Panther	48					a) 50MVA Transformer-2	27
					c) Bihta(New)-Bihta ckt1	Zebra	115					a) 50MVA Transformer-3	27
					d) Bihta(New)-Bihta ckt2	Zebra	Charged on No load up to gantry					a) 50MVA Transformer-4	27

Dehri-On-sonne TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conduct or type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)
1	Dehri	a) 220 KV Dehri -Sasaram (PG)	zebra	65	a) 132 KV Dehri-Bikramganj S/C(Bikramganj avail power from Sonenagar through T/B of Dehri)	Panther	76			b)100MVA ICT-2	79	a) 50MVA ICT1	36
		b)220 KV Gaya (PG)-Dehri ckt1	zebra	90	b) 132 KV Dehri -kochas S/C	Panther	72			c)100MVA ICT-3	79	b) 50MVA ICT2	13
		c) 220 KV Gaya (PG) -Dehri ckt2	zebra	90	c) 132 KV Dehri-Sasaram S/C	Panther	47			d)100MVA ICT-4	79	c) 50MVA ICT3	13
					d)132 KV Dehri -Banjari S/C	Panther	44						
					e)132 KV Dehri -Kudra S/C	Panther	64						
					f)132 KV Dehri-sonenagar ckt1(power fed to Bikramganj through T/B of Dehri)	Panther	39						
					g)132 KV Dehri-sonenagar ckt2(power fed to Bikramganj through T/B of Dehri)	Panther	39						
2	Banjari			a)132 KV Banjari-Sasaram CKT-1	Panther(ACSR)	15					a)20 MVA ICT1	12	
				b)132 KV Banjari-Sasaram CKT-2	Panther(ACSR)	13					b)20 MVA ICT2	10	
				c)132 KV Banjari-Dehri S/C	Panther(ACSR)	42					c)20 MVA ICT3	12	
				d)132 KV KCL S/C	Panther(ACSR)	10							
3	Bikramganj			a)132 KV Dehri-Bikramganj S/C	Panther	76					a)50MVA ICT2	29	
				b)132 KV Dumraon-Bikramganj S/C	Panther	46					b)50MVA ICT3	29	
				c)132 KV Bikramganj-Piro S/C	Panther	17					c)20MVA ICT1	Charged on No load.	
4	Sasaram			a)132 KV Sasaram - Banjari D/C	Panther	28					a)20MVA ICT1	13	
				b)132 KV Dehri-Sasaram S/C	Panther	48					b)20MVA ICT2	12	
				c)132 KV Pusauli-Sasaram S/C	Panther	48					c)50MVA ICT3	29	
5	Kochas			a) 132 KV Dehri-Kochas S/C	Panther	72					a)20MVA ICT1	16	
				b)132 KV Dumraon -Kochas S/C(Dumraon avail Pushauli power through T/B of Kochas)	Panther	56					b)20MVA ICT2	16	
				c)132 KV Kudra-Kochas S/C T/L	panther	Normally charged on No load							
				d)132 KV Pushauli -Kochas S/C(Dumraon avail Pushauli power through T/B of Kochas)	panther	51							

6	132/33 KV Sonenagar (new)	a) Gaya(PG)- Sonenagar ckt1	Zebra	119	a)Sonenagar(New)- sonenagar (old) ckt1	Moose	119		a)T-1 160 MVA	119	a)50 MVA ICT1	5	
		b)Gaya(PG)-Sonenagar ckt2	Zebra	119	b)Sonenagar(New)- sonenagar (old) ckt2	Moose	119		b)T-2 160 MVA	119	a)50 MVA ICT2	5	
					c)132KV Sonenagar (NEW)- Aurangabad CKT-1	Panther	U/C						
					d)132KV Sonenagar (NEW)- Aurangabad CKT-2	Panther	U/C						
7	132/33 KV Sonenagar (Old)			a)Sonenagar (Old)-Sonenagar (New) ckt1	Moose	119					a)50MVA ICT1	24	
				a)Sonenagar (Old)-Sonenagar (New) ckt2	Moose	119					b)50MVA ICT2	24	
				c)Sonenagar (Old)- Dehri ckt1	Panther	39							
				d)Sonenagar (Old)- Dehri ckt2	Panther	39							
				e)Sonenagar (Old)- Chandauti S/C T/L	Panther	1.Normally Charged on NO Load 2.Last time loaded on dated 27.08.2019 (76 MW)							
				f)Sonenagar(Old)-Rafiganj S/C T/L	Panther	62							
				g)Sonenagar(Old)- Rihand ckt1	Panther	26							
				h)Sonenagar(Old)- Rihand ckt2	Panther	26							
				i)Sonenagar(Old)- Railway Japla ckt1	Panther	10							
				j)Sonenagar(Old)- Railway Japla ckt2	Panther	10							
				k)Sonenagar(Old)-Aurangabad ckt1	Panther	40							
				j)Sonenagar(Old)-Aurangabad ckt2	Panther	40							
8	132/33 KV Aurangabad			a)132KV Sonenagar(OLD)- Aurangabad CKT-1	Panther	42					a)20 MVA ICT1	16	
				b)132KV Sonenagar(OLD)- Aurangabad CKT-2	Panther	41					b)20 MVA ICT2	16	
				c)132KV Sonenagar (NEW)- Aurangabad CKT-1	Panther	U/C					c)50 MVA ICT3	35	
				d)132KV Sonenagar (NEW)- Aurangabad CKT-2	Panther	U/C							
				e)132KV Shree cement	Panther	26							
9	132/33 KV Goh			a)Takari-Goh S/C T/L	Panther	50					a) 20 MVA ICT1	16	
				b) Ataullah-Goh ckt1	Panther	Charged on No load					a) 20 MVA ICT2	13	
				c) Ataullah-Goh ckt2	Panther	34							
10	132/33 KV Rafiganj			a) Gaya- Rafiganj S/C T/L	PANTHER	51					a) 20 MVA ICT1	15	
				b)Sonenagar-Rafiganj S/C T/L	PANTHER	62					b) 50 MVA ICT2	31	
				c)132KV Solar S/C T/L	PANTHER	20							

GAYA TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load (in MW)	132KV Lines	Conductor type	Peak Load (in MW)	220/132/33KV Transformer	Peak Load	220/132KV Transformer	Peak Load (in MW)	132/33KV Transformer	Peak Load (in MW)
1	220/132KV Bodhgaya	a) 220KV Gaya (PG) - Bodhgaya ckt1	Zebra	193	a) Bodhgaya-Chandauti ckt 1	Panther	52			a)150 MVA ICT1	82	a)50 MVA ICT1	28
		a) 220KV Gaya (PG) - Bodhgaya ckt2	Zebra	193	b) Bodhgaya-Chandauti ckt 2	Panther	52			b)150 MVA ICT2	82	b)50 MVA ICT2	28
		b) 220KV Khizisarai(BGCL) - Bodhgaya ckt1	Zebra	33	c) Bodhgaya-Chandauti ckt 3	Panther	80			c)150 MVA ICT3	82	c)50 MVA ICT3	27
		b) 220KV Khizisarai(BGCL) - Bodhgaya ckt2	Zebra	33	d) Bodhgaya-Chandauti ckt 4	Panther	80			d)150 MVA ICT4	82		
					b) 132KV Bodhgaya-Khizirsarai(BGCL) S/C Sherghati avail power from Khizersarai through T/B of Bodhgaya)	Panther	53			e)160 MVA ICT5	93		
					c) 132KV Bodhgaya-Sherghati S/C T/L(Sherghati avail power from Khizersarai through T/B of Bodhgaya)	Panther	31						
					d)132KV Bodhgaya-Imamganj S/C T/L	Panther	25						
					e) 132KV Bodhgaya-Paharpur Rly ckt-1	Panther	13						
			f) 132KV Bodhgaya-Paharpur Rly ckt-2	Panther	9								
2	220/132KV Khijarsarai GIS	a)Khizersarai-Bodhgaya ckt-01	ACSR ZEBRA	30	a)Khizersarai-Bodhgaya S/C T/L	ACSR PANTHER	52			a)160MVA ICT-1	106	a)50MVA ICT2	7.5
		b)Khizersarai-Bodhgaya ckt-02	ACSR ZEBRA	30	b)Khizersarai-Hullasganj S/C T/L	ACSR PANTHER	65			b)160MVA ICT-2	123	b)50MVA ICT3	0.15
		c)Khizersarai-BiharSharif ckt-01	ACSR ZEBRA	105	c)Khizersarai-Wazirganj S/C T/L	ACSR PANTHER	29						
		d)Khizersarai-BiharSharif ckt-02	ACSR ZEBRA	116									
		e)Khizersarai-Gaya PG ckt-01	HTLS ZEBRA	115									
		f)Khizersarai-Gaya PG ckt-02	HTLS ZEBRA	131									
		g)Khizersarai-Narhat ckt-01	HTLS ZEBRA	94									
		h)Khizersarai-Narhat ckt-02	HTLS ZEBRA	91									
3	132/33 KV Chandauti				a) Bodhgaya-Chandauti ckt 1	Panther	52					a) 50 MVA ICT1	34
					b) Bodhgaya-Chandauti ckt 2	Panther	52					b)50 MVA ICT2	28
					c) Bodhgaya-Chandauti ckt 3	Panther	82					c)50 MVA ICT3	27
					d) Bodhgaya-Chandauti ckt 4	Panther	82						
					b) Chandauti-Sonenagar S/C T/L	Panther	1.Normaly Charged on NO Load 2.Last time loaded on dated 27.08.2019 (76 MW)						
					c) Chandauti-Sipara S/C T/L	Panther	40						
					d) Chandauti-Tehta S/C T/L	Panther	44						
					e) Chandauti-Rafiganj S/C T/L	Panther	52						
					f) T connection of 132KV Chandauti-Tehta(L33) at Belaganj S/C	Panther	27						
					g) 132KV Chandauti-Tekari S/C T/L	Panther	76						

4	132/33 KV Belaganj			a) T connection of 132KV Chandaoti-Tehta(L33) at Belaganj S/C T/L	Panther	27			a)20 MVA ICT1	12.5
									b) 20 MVA ICT2	14.5
5	132/33 KV Sherghati			a) 132 Kv Bodhgaya-Sherghati S/C T/L	Panther	31			a)20 MVA ICT1	15
				b)132KV Sherghati-Sawakala	Panther	24			b)20 MVA ICT2	15
				c)132KV Sherghati-Imamganj	Panther	25				
6	132/33 KV Imamganj			a)132kv Bodhgaya line(Imamganj avail power from Khizersarai through T/B of Bodhgaya)	Panther	26			a)20 MVA ICT1	13
				b)132 KV Bodhgaya-Sherghati-Imamganj Line	Panther	26			b)20 MVA ICT2	13
7	132/33 KV Tekari			a)Chandaoti (Gaya)- Tekari S/C T/L	Panther	75			a)20 MVA ICT1	17
				b)Tekari - Goh S/C T/L	Panther	52			b)20 MVA ICT2	17
8	132/33 KV Wajirganj			a) Khizersarai- Wazirganj S/C T/L	Panther	30			a)20 MVA ICT1	15
				b) Wazirganj- Nawada S/C T/L	Panther	26			b)20 MVA ICT2	15
9	132/33 KV Jehanabad			a)132 KV Jehanabad-Sipara S/C T/L	ACSR Panther	67			a)20MVA ICT1	15
				b)132 KV Jehanabad-Chandaoti S/C T/L	ACSR Panther	65			b)20 MVA ICT2	15
				c)Jehanabad-Ataullah D/C T/L	ACSR Panther	40				
				c)132 kv Railway S/C T/L	ACSR Panther	12			c)50MVA ICT3	40
10	132/33 KV Tehta			(a) 132 kv Gaya(Chandaoti) - Tehta S/C T/L	Panther	22			a)20MVA ICT1	14
				(b)132 kv Jehanabad - Tehta S/C T/L	Panther	21			b)20 MVA ICT2	11
11	132/33 KV Hulasganj			a)132 KV Khijarsarai-Hulasganj S/C T/L	ACSR Panther	68			a)20MVA T-1	16
				b)132 KV Biharsharif-Hulasganj S/C T/L	ACSR Panther	1.Normaly Charged on NO Load 2.Last time loaded on dated 07.09.2019 (24.5 MW)			b)20MVA T-2	16
				c)132 KV Hulasganj-Ekangarsarai S/C T/L	ACSR Panther	1.Normaly Charged on NO Load 2.Last time loaded on dated 07.09.2019 (21MW)				
12	132/33 KV Ataula			a) 132 KV JEHANABAD-ATAULA D/C TRANS. LINE	ACSR PANTHER	40			a) 50 MVA TR NO. 2	40
				b) 132 KV GOH- ATAULA D/C TRANS. LINE	ACSR PANTHER	34			b) 20 MVA TR NO. 1	15

BHOJPUR TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)
1	Nadhokar (PUSAULI)	a)220KV Pusauli(BSPTCL) - Pusauli(PGCIL)	zebra	210	a)132 KV Pusauli - Ramgarh S/C	panther	52	a)150 MVA ICT-1	130			a) 50 MVA ICT1	6
		b)220KV Pusauli(BSPTCL) - Ara(PGCIL)	zebra	114	b)132 KV Pusauli - Bhabua S/C	panther	13	b)160 MVA ICT-2	128			b) 50 MVA ICT2	6
					C)132 KV Pusauli - Kochas S/C(power fed to Buxar via T/B of Dumraon)	panther	51						
					d)132 KV Pusauli - Sasaram S/C	panther	45						
					e)132 KV Pusauli - Kudra (TSS) - Karamnasa S/C	panther	60						
2	Ara				a) 132 KV Ara(PGCIL)- ARA(BSPTCL) S/C	HTLS	91					a) 50MVA ICT1	40
					b) 132 KV Ara(BSPTCL)- Jagdishpur Ckt-2	panther	42					b) 50MVA ICT2	29
					c) 132 KV Ara(BSPTCL)- Jagdishpur Ckt-1	panther	23					a) 50MVA ICT3	29
												b) 50MVA ICT4	29
3	Buxar				a)132 Kv Dumraon Buxar D/C T/L	Panther	51					a)20 MVA ICT1	1. Normally charged on No load 2. Last time loaded on dated 27.07.2019 (12 MW)
												b)50 MVA ICT2	26.5
												c)50 MVA ICT3	26.5
4	Jagdishpur				a) 132 KV Ara(PGCIL)- Jagdishpur S/C	panther	56					a) 20MVA ICT1	16
					b) 132 KV Ara(BSPTCL)- Jagdishpur Ckt-1	panther	42					b) 50MVA ICT2	40
					b) 132 KV Ara(BSPTCL)- Jagdishpur Ckt-2	panther	23						
5	Piro				a)132 KV Bikramganj-Piro S/C	panther	16					a) 20MVA ICT1	8
												a) 20MVA ICT2	8
6	Dumroan				a)132 KV Ara(PG) - Dumraon S/C	Panther	75					a) 50MVA ICT-1	35
					b) 132 Kv Dumraon - Bikramganj S/C	Panther	46					b) 50MVA ICT-2	32
					c) 132 KV Dumraon - Buxar D/C(Buxar avail power from Pushauli through T/B of Kochas & through T/B of Buxar)	Panther	51						
					e)132 KV Dumraon - Kochas S/C(Buxar avail power from Pushauli through this T/L through T/B of Dumraon)	Panther	51						
					c)132 KV Dumraon- Railway S/C	Panther	14						

7	Karamnasa			a) 132 KV Mohania- Karamnasa S/C	Panther	1.Normally charged on No load 2.Last time loaded on dated 19.07.2019 (22 MW)			a) 50MVA ICT1	27
				b) 132 KV Kudra TSS-Karamnasa S/C	Panther	50			b) 50MVA ICT2	21
				c) 132 KV Chandauli-Karamnasa S/C	Panther	1.Normally charged on no load 2. Last time loaded on 24.06.2019(19 MW)			c) 20MVA ICT3	Charged on no load
				d) 132 KV Sahupuri-Karamnasa S/C	Panther	1.Normally charged on no load 2. Last time loaded on 19.07.2019(36 MW)				
8	Ramgarh			a) 132KV Ramgarh- Pushauli S/C	Panther	74			a)50MVA ICT1	12
				b) 132KV Ramgarh- Mohania S/C	Panther	38			b)50MVA ICT2	12
9	BHABHUA			a)132 KV Pusauli- Bhabhua S/C	Panther	13			a) 50MVA ICT1	6.5
									b) 50MVA ICT2	6.5
10	Kudra			a)132KV Dehri-Kudra S/C(Mohania & Pushauli(PG) also avail power from this T/L)	PANTHER	77			a)20MVA ICT1	15.2
				b)132KV Kudra-Pushauli(PG) S/C(Pushauli(PG) extend this power to Mohania)	PANTHER	54			b)20MVA ICT2	15.1
				c)132KV Kudra-Kochas S/C	PANTHER	charged on No load				
11	Mohania			a) 132 Kv Ramgarh-Mohania S/C	panther	38			a)50MVA ICT1	30
				b) 132 KV Pusauli(PG)-Mohania S/C	panther	44			b)20MVA ICT2	14
				c) 132 KV Karamnasa-Mohania S/C	panther	1.Normally charged on No load 2.Last time loaded on dated 19.07.2019 (22 MW)				

5	Nalanda				a) Biarsarif (SG)-Nalanda S/c T/L	Panther	42			a)20 MVA ICT1	17
					b) Nalanda Barhi S/C T/L	Panther	20			b) 20 MVA ICT2	17
6	Rajgir				a)Biharsharif Rajgir	Panther	41			a) 20 MVA ICT1	12
					b) Barhi RajgirL29	Panther	Normally charged on no load			b) 20 MVA ICT2	15
					c) Barhi Nalanda T/L T connection at Rajgir	Panther	Normally charged on no load			c) 50 MVA ICT3	15
7	Ekangarsarai				a) 132KV Biarsarif (SG)-Ekangarsarai S/C T/L	Panther	50			a) 20 MVA ICT1	17
					b) 132KV Ekangarsarai-Hulasganj S/C T/L	Panther	21			b) 20 MVA ICT2	17
										c) 20 MVA ICT3	17
8	Harnaut				a) 132KV Baripahari-Harnaut S/C	Panther	58			a)20MVA ICT1	16
					b)132KV Harnaut-Fatuha S/C	Panther	75			b)50MVA ICT2	45
9	Nawada				a)132Kv BSF-Nawada	Panther	Charged on no load			a) 50 MVA ICT1	23
					b) 132KV Wazirganj-Nawada S/C	Panther	27			b) 50 MVA ICT2	26
					c) 132 KV Warsaliganj -Nawada S/C	Panther	30			c) 50 MVA ICT3	25
					d) 132 KV GIS Narhat-Nawada ckt1	ACSR Zebra	51			d) 20 MVA ICT4	Charged on No Load
					e) 132 KV GIS Narhat-Nawada ckt2	ACSR Zebra	51				
10	Warsaliganj				a) 132 KV Biharsharif-Warsaliganj S/C	Panther	30			a) 50 MVA ICT1	20
					b) 132 KV Warsaliganj -Nawada S/C	Panther	28			b) 50 MVA ICT2	30
11	Baripahari				a) Baripahari ckt1	Panther	78			a) 50MVA Tr. No-01	33
					b) Baripahari ckt2	Panther	78			b) 50MVA Tr. No-02	34
					c)Harnaut S/C T/L	Panther	62			C) 50MVA Tr. No-03	30
										C) 50MVA Tr. No-04	25

BHAGALPUR TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load (in MW)	132KV Lines	Conductor type	Peak Load (in MW)	220/132/33KV Transformer	Peak Load (in MW)	220/132KV Transformer	Peak Load (in MW)	132/33KV Transformer	Peak Load (in MW)
1	Goradih GIS	a)Havelikharagpur-Goradih ckt-1	HTLS Zebra	36	a)Goradih-Sultanganj ckt-1	AAAC Panther	13			a)160 MVA T1	57	a)50 MVA T1	2.5
		b)Havelikharagpur-Goradih ckt-2	HTLS Zebra	42	b)Goradih-Sultanganj ckt-2	AAAC Panther	21						
			d) Sabour- Goradih ckt-I Trans. Line	AAAC Panther	27								
			e) Sabour-Goradih ckt-II Trans. Line	AAAC Panther	27								
			c)Goradih-Kahalgaoon ckt-1	AAAC Panther	Anti theft charged								
			d)Goradih-Kahalgaoon ckt-2	AAAC Panther	Anti theft charged								
2	Sabour		a) Sabour-Banka (PG) Trans. Line ckt-I & II	ACSR Panther	60		a) 50MVA ICT1	38					
			b) Sabour-Kahalgaoon GSS Trans. Line	ACSR Panther	60		b) 50MVA ICT2	34					
			c) Sabour-Kahalgaoon (NTPC) Trans. Line	AAAC Panther	44		c) 50MVA ICT3	34					
			d) Sabour-Sultanganj ckt-I Trans. Line	AAAC Panther	Charged on no load								
			e) Sabour-Sultanganj ckt-II Trans. Line	AAAC Panther	Charged on no load								
			d) Sabour- Goradih ckt-I Trans. Line	AAAC Panther	27								
			e) Sabour-Goradih ckt-II Trans. Line	AAAC Panther	27								
3	Sultanganj		a) Deoghar-Sultanganj S/C T/L	ACSR Panther	35		a) 50MVA Trf.-1	26					
			b) Sultanganj-Tarapur S/C T/L	ACSR Panther	16		b) 50MVA Trf.-2	26					
			c) Sultanganj-Sabour ckt-1	AAAC Panther	charged on No load		c) 20MVA Trf.-1	charged on No load					
			d) Sultanganj-Sabour ckt-2	AAAC Panther	charged on No load								
			e) Sultanganj-Goradih ckt-1	AAAC Panther	13								
			f) Sultanganj-Goradih ckt-2	AAAC Panther	21								
			g) Banka (PG)-Sultanganj ckt-1	ACSR Panther	62								
			h) Banka (PG)-Sultanganj ckt-2	ACSR Panther	62								
			i) Sultanganj-Haveli Kharagpur Ckt-1	ACSR Panther	56								
			j) Sultanganj-Haveli Kharagpur Ckt-2	ACSR Panther	68								
4	Naugachia		a) Purnea-Naugachia L-16 Trans. Line	Panther	36		a) 20MVA Trf.-01	12					
			b) BTPS-Naugachia L-16 Trans. Line	Panther	33		b) 20MVA Trf.-02	12					
							c) 20MVA Trf.-03	12					
							d) 50MVA Trf.-04	In shut down					
5	Kahalgaoon		a) Kahalgaoon (NTPC)- Kahalgaoon Trans. line	ACSR Panther	82		a) 20MVA Trf.-01	Charged on no load					
			b) Kahalgaoon-Sabour Trans. Line	ACSR Panther	60		b) 20MVA Trf.-02	Charged on no load					
			c) Kahalgaoon-Lalmatiya Trans.line	ACSR Panther	38		c) 50MVA Trf.-03	22					
			d) Kahalgaoon-Goradih ckt-I Trans. Line	AAAC Panther	Anti theft charged		d) 50MVA Trf.-04	22					
			d) Kahalgaoon-Goradih ckt-II Trans. Line	AAAC Panther	Anti theft charged								
6	Banka (old)		a) Banka (PG)- Banka ckt1	ACSR Panther	43		a) 20MVA Trf.-01	13					
			a) Banka (PG)- Banka ckt2	ACSR Panther	43		b) 20MVA Trf.-02	13					
			b) Banka-Banka(new) ckt 1	ACSR Panther	31		c) 50MVA Trf.-03	32					
			b) Banka-Banka(new) ckt 2	ACSR Panther	31								
7	Banka (new)		a) Banka (New)- Jamui (New) ckt 1	ACSR Panther	10.8			a) 50MVA Trf.-01	11.6				
			b) Banka (New)- Jamui (New) ckt 2	ACSR Panther	10.8								
			c)Banka(New)-Banka(Old) ckt 1	ACSR Panther	31								
			c)Banka(New)-Banka(Old) ckt 2	ACSR Panther	31								

BEGUSARAI TRANSMISSION CIRCLE														
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)	
1	Begusarai	a) Begusarai-Biharshariff ckt1	Zebra	190	a) 132KV Dalsinghsarai	Panther	74	a) 100MVA T/F-1	70			a) 50MVA T/F-1	30	
		b) Begusarai-Biharshariff ckt2	Zebra	192	b) 132KV Samastipur	Panther	43	b) 100MVA T/F-2	70			b) 50MVA T/F-2	30	
		c) Begusarai- New Purnea(PG) ckt1	Zebra	132	c) 132KV Kusheswarasthan - I	Panther	30	c) 100MVA T/F-3	70			c) 50MVA T/F-3	30	
		d) Begusarai- New Purnea(PG) ckt2	Zebra	132	d) 132KV Kusheswarasthan - II	Panther	30	d) 100MVA T/F-4	70					
		e) Begusarai- Ujjayarpur ckt1	Zebra	104	e)132KV BTPS ckt1	Panther	64							
		f) Begusarai- Ujjayarpur ckt2	Zebra	159	f)132KV Ballia S/C T/L	Panther	30							
					g)132KV Manjhaul S/C T/L	Panther	52							
					h)132KV Teghra S/C T/L	Panther	2							
					i)132KV BTPS ckt2	Panther	68							
2	Balia				a) Begusarai-Ballia S/C T/L	Panther	33					a) 10MVA Trf.-01	Charged on no load	
					b) Ballia-Bakhri S/C T/L	Panther	18					b) 50MVA Trf.-02	33	
3	Manjhaul				a) Begusarai-Manjhaul S/C T/L	Panther	70					a) 50MVA Trf.-01	35	
					b) Manjhaul-Bakhri S/C T/L	Panther	7.5					b) 10MVA Trf.-02	Charged on no load	
4	Teghra				a) Begusarai-Teghra S/C T/L	Panther	2					a) 20MVA	2 MW	
5	Khagaria				a) BTPS Khagaria S/C T/L	Panther	54					a) 50MVA Trf.-01	41	
					b) Purnea Khagaria S/C T/L	Panther	43					b) 50MVA Trf.-02	12	
6	Bakhri				a) Manjhaul-Bakhri T/L	Panther	12					a) 20MVA Trf.-01	3.5	
					b) Bakhri-Balia T/L	Panther	7					b) 20MVA Trf.-02	3.5	
7	Jamalpur				a) Jamalpur-Tarapur S/C Trans. Line	AAAC Panther	22					a) 50MVA Trf-1 (CGL)	36	
					b) Jamalpur-Lakhisarai S/C Trans. Line	ACSR Panther	20					b) 50MVA Trf-2 (BBL)	25	
					c) Haveli Kharagpur-Jamalpur D/C ckt-I Trans. Line	ACSR Zebra	34							
					d) Haveli Kharagpur-Jamalpur D/C ckt-II Trans. Line	ACSR Zebra	37							
8	Tarapur				a) Sultanganj-Tarapur line	Panther	17					a) 20MVA Trf.-01	10	
					b) Tarapur-Jamalpur line	Panther	21					b) 20MVA Trf.-02	11	

9	Haveli Kharagpur GIS	a)Sekhopursarai-Havelikharagpur ckt-1	HTLS Zebra	39	a)Havelikharagpur-Sultanganj ckt-1	ACSR Zebra	56		a)160 MVA T1	110	a)50 MVA T1	9
		b)Sekhopursarai-Havelikharagpur ckt-2	HTLS Zebra	56	b)Havelikharagpur-Sultanganj ckt-2	ACSR Zebra	68				b)50 MVA T2	19
		c)Havelikharagpur-Goradih ckt-1	HTLS Zebra	37	c)Havelikharagpur-Lakhisarai ckt-1	AAAC Panther	22					
		d)Havelikharagpur-Goradih ckt-2	HTLS Zebra	42	d)Havelikharagpur-Lakhisarai ckt-2	AAAC Panther	22					
					e)Havelikharagpur-Jamalpur ckt-1	AAAC Panther	40					
					f)Havelikharagpur-Jamalpur ckt-2	AAAC Panther	60					

10	Lakhisarai				a) Lakhisarai-PGCIL D/C Trans. Line	Panther	140		a) 50MVA Trf.-01	39		
			b) Lakhisarai-Jamalpur S/C Trans. Line	Panther	20	b) 20MVA Trf.-02	Charged on no load					
			c) Lakhisarai-Hathidah S/C Trans. Line	Panther	65	c) 20MVA Trf.-03	16					
			d) Lakhisarai-Haveli Kharagpur D/C Trans. Line	Panther	44							
			e) Lakhisarai-Jamui S/C Trans. Line	Panther	30							
			f) Lakhisarai-Sheikhpura S/C Trans. Line	Panther	charged on no load							
			g) Lakhisarai-Railway TSS S/C Trans. Line	Panther	16							
11	Jamui				a) PGCIL (Lakhisarai)- Jamui D/C Trans. Line	Panther	126		a) 50MVA Trf. -01	33		
			b) Jamui-Lakhisarai S/C Trans. Line	Panther	30	b) 20MVA Trf. -02	Charged on no load					
			c) Jamui-TSS Jhajha D/C Trans. Line	Panther	21	c) 50MVA Trf. -03	33					
			d) Jamui-Sheikhpura D/C Trans. Line	Panther	72							
			e)Jamui(New)-Jamui (Old) ckt 1	Panther	27							
			f)Jamui(New)-Jamui (Old) ckt 2	Panther	17							
12	Jamui (new)				a)Banka(New)-Jamui (New) ckt 1	Panther	11		a)50 MVA T1	20		
			b)Banka(New)-Jamui (New) ckt 2	Panther	9	a)50 MVA T1	10					
			c)Jamui(New)-Jamui (Old) ckt 1	Panther	27							
			c)Jamui(New)-Jamui (Old) ckt 2	Panther	17							

Purnea TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load	220/132KV Transformer	Peak Load	132/33KV Transformer	Peak Load(MW)
1	Kishanganj (new)	a)220KV KISHANGANJ(PG)-KISHANGANJ (NEW) CKT-01	AL-59	101	a)132kv Forbishganj Ckt-01	PANTHER	59	a)160 MVA ICT-1	136			a)50MVA ICT -1	10
		b)220KV KISHANGANJ(PG)-KISHANGANJ (NEW) CKT-02	AL-59	101	b)132kv Forbishganj Ckt-02	PANTHER	59	b)160 MVA ICT-2	136			B)50MVA ICT -2	10
		c)220KV KISHANGANJ(PG)-KISHANGANJ (NEW) CKT-03	AL-59	108	c)132kv Kishanganj (old) Ckt-1	PANTHER	57						
		d)220KV KISHANGANJ(PG)-KISHANGANJ (NEW) CKT-04	AL-59	108	d)132kv Kishanganj (old) Ckt-2	PANTHER	51						
		e)220KV KISHANGANJ (NEW)-MADHEPURA CKT-01	AL-59	82	e)132KV BARSOI	PANTHER	38						
		F)220KV KISHANGANJ (NEW)-MADHEPURA CKT-02	AL-59	82									
2	Purnea				a) 132KV PGCIL ckt 1	Panther	92					a) 50 MVA ICT1	37
					b) 132Kv PGCIL ckt 2	Panther	90					b) 50 MVA ICT2	31
					c) 132KV PGCIL ckt 3	Panther	78					c) 50 MVA ICT3	38
					d) 132KV Katihar S/C T/L(LILO at Manihari)	Panther	77						
					e) 132KV Dhamdaha S/C T/L	Panther	85						
					f) 132KV Triveniganj S/C T/L	Panther	65						
					g) 132 KV Khagaria S/C T/L	Panther	46						
					h) 132 KV Naugachhia	Panther	40						
3	Banmankhi				a) 132KV Saharsa S/C T/L	Panther	42					a) 20 MVA ICT1	15
					b) 132KV Dhamdaha S/C T/L	Panther	28					b) 20 MVA ICT2	13
4	Dhamdaha				a)132 KV Banmankhi S/C T/L	Panther	65					a)50 MVA ICT1	20
					b) 132 KV Purnea S/C T/L	Panther	81					b)50 MVA ICT2	23
5	Baisi				a)132 KV Baisi- Kishanganj S/C T/L	Panther	27					a)50 MVA ICT2	10
					b)132 KV Dalkola(WB)-Baisi S/C T/L	Panther	29						
6	Katihar				a) 132KV Manihari-Katihar S/C T/L	Panther	55.5					a) 20MVA ICT1	16
					b)132 KV Katihar Railway	Panther	10					b) 20MVA ICT2	12
													c) 20MVA ICT3

7	Manihari		a) Purnea-Manihar S/C T/L	Panther	11.9		d) 50MVA ICT4	31
			b) 132KV Manihari-Katihar S/C T/L	Panther	Normally charged on NO LOAD		a) 20 MVA ICT1	12
							b) 20 MW ICT2	Normally charged on NO LOAD
8	Barsoi		a) Kishanganj (New)-Barsoi line	Panther	36		a)50MVA ICT1	34.4
							b)50MVA ICT2	18.3
9	Kishanganj (Old)		a) KISHANGANJ - BAISI	PANTHER	27		A) 50MVA ICT1	25
			b) KISHANGANJ(OLD) - KISHANGANJ(NEW) D/C	PANTHER	57		B) 50MVA ICT2	25
			c) KISHANGANJ -PGCIL PURNEA	PANTHER	50			
			d)Kishanganj(old)-Araria	PANTHER	67			
			(e)Kishanganj-Forbisganj	PANTHER	61			
10	Araria		a) 132KV Kishanganj Old	Panther	67		A) 50MVA ICT1	18
			b) 132KV Forbesganj	Panther	42		B) 50MVA ICT2	25
11	Forbisganj		a)132KV Araria	Panther	38		a)20 MVA ICT 1	12.5
			b)132KV Kishanganj Old	Panther	61		b)20 MVA ICT 2	12.5
			c)132KV Kishanganj (New) Ckt 1	Panther	56.5		c)20 MVA ICT 3	33
			d)132KV Kishanganj (New) ckt 2	Panther	56.5			
			e)132KV Triveniganj	Panther	28			
			f)132KV Kataiy ckt1	Panther	42			
			g) 132KV kataiya ckt2	Panther	53			
			h)132KV Kataiya ckt3	Panther	53			

5	132/33 Kv GSS Sitamarhi		a)132 Kv Sitamarhi- Runnisaidpur S/C	Panther	33			a) 50 MVA ICT1	25	
			b)132 Kv Sitamarhi -Sheohar S/C	Panther	28			b) 50 MVA ICT2	24	
			c)132 Kv Sitamarhi -Dhaka S/C	Panther	48			c) 50 MVA ICT3	26	
			d) 132 Kv Sitamarhi-Musahari ckt-1	Panther	77.5					
			e) 132 Kv Sitamarhi-Musahari ckt-2	Panther	77.5					
6	132/33 Kv GSS Runisaidpur		a)132 Kv Belsand -Runnisaidpur S/C	Panther	30			a) 20 MVA ICT1	14	
			b)132 kv Runnisaidpur-Sitamarhi S/C	Panther	33			b) 20 MVA ICT2	14	
7	132/33 Kv GSS Belsand		a)132 Kv SKMCH-Belsand S/C	Panther	35			a)10 MVA ICT1	3	
			b) 132 Kv Runisaidpur-Belsand S/C	Panther	30			b)10 MVA ICT2	3	
8	132/33 Kv GSS Sursand (Pupri)		a)132 Kv Benipatti-Pupri S/C	Panther	31			a) 20 MVA ICT1	15.5	
								b) 20 MVA ICT2	15.5	
9	132/33 Kv GSS Sheohar		a)132 Kv Sitamarhi-Sheohar S/C	Panther	29			a)50 MVA ICT1	14.5	
			b)132 Kv Dhaka-Sheohar S/C	Panther	29			b)50 MVA ICT2	14.5	

6	132/33 Kv GSS Samastipur (Old)				a) 132KV D/C Samastipur (old) -Samastipur (New) Trans. Line	Zebra	160					a) 50MVA Transformer no. - 01	40
					b) 132KV Samastipur - Dalsinghsarai Trans. L/9	Panther	1. Normally, charged on no-load. 2. Loaded on dt. 13.06.2019 (40 MW)					b) 50MVA Transformer no. - 02	40
					c) 132KV Samastipur - Begusarai Trans. L/10	Panther	50					c) 20MVA Transformer No. - 01	10
					d) 132KV Samastipur - Jandaha Trans. Line	Panther	45						
					e) 132KV Samastipur - Hajipur Trans. Line	Panther	20						
					f) 132KV D/C Samastipur - MTPS	Panther	9						
					g) 132KV Samastipur - Darbhanga Trans. Line	Panther	60						
					h) 132KV Samastipur - Samastipur TSS	Panther	6						

7	220/132/33 Kv Samastipur (new)/ Ujjiyarpur	a) 220KV Begusarai ckt-1	ZEBRA	91	a) 132 KV Samastipur ckt-1	Zebra	72	a)160 MVA TR -1	127			a) 50MVA TR-1	5
		b) 220KV Begusarai ckt-2	ZEBRA	147	b) 132 KV Samastipur ckt-2	Zebra	72	b)160MVA TR-2	99			b) 50MVA TR-2	5
		c) 220KV MTPS S/C ckt-2	ZEBRA	85	c)132kv Shahpurpatori S/C	Panther	12						
		d) 220KV MTPS S/C ckt-1	ZEBRA	85									
		e) 220KV DMTCL S/C ckt-1	ZEBRA	157									

8	132/33 Kv GSS Shahpurpatori				a) 132KV ShahpurPatori - Samastipur (New) S/C	Panther	13.1					a)20MVA Transformer No. - 01	Defective
												b) 20MVA Transformer No. - 02	Defective
												c) 20MVA Transformer No. - 03	13.1

9	132/33 Kv GSS Dalsinghsarai				a) 132KV Dalsinghsarai to Begusarai Trans. Line	Panther	70					a) 20MVA Transformer no. - 01	17
					b) 132KV Dalsinghsarai to Samastipur (old)	Panther	1. Normally, charged on no-load. 2. Loaded on dt. 13.06.2019 (40 MW)					b) 20MVA Transformer no. - 02	17
					c) 132KV Dalsinghsarai to Railway Bachwara TSS	Panther	16					c) 50MVA Transformer no. - 01	36
					d) 132KV Dalsinghsarai to Kusheshwarsthan S/C T/L	Panther	41						
					e) 132KV Dalsinghsarai to Rosera S/C T/L	Panther	27						

10	132/33 Kv GSS Rosera				a) 132KV Rosera-Kusheshwarsthan Trans. Line	Panther	27					a) 20MVA Transformer No. - 01	13.5
					b) 132KV Hasanpur Sugar Mil Trans. Line	Panther	7					b) 20MVA Transformer No. - 01	13.5
					c) 132KV Rosera-Dalsinghsarai Trans. Line	Panther	27						

Darbhanga TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)
1	Darbhanga (220 KV)	a) 220 KV DMTCL(D) - Darbhanga ckt1	ZEBRA	195						a) 160 MVA ICT1	97.5		
		b) 220 KV DMTCL(D) - Darbhanga ckt2(non availability of line bay at GSS Darbhanga)	ZEBRA	Charged on NL from DMTCL end						b) 160 MVA ICT2	97.5		
		c) 220 KV Mushari - Darbhanga ckt1	ZEBRA	1.normally charged on no load 2.Last time loaded on dated 16.08.2019 (146 MW)									
		d) 220 KV Mushari - Darbhanga ckt2	ZEBRA	Charged on no-load . As bay not ready at Darbhanga end.									
2	Lauakhi	a) 220 KV DMTCL(D) - LAUAKHI ckt1	ZEBRA	134	a) 132 KV LAUAKHI - SUPAUL ckt1	ZEBRA	U/C	a) 160 MVA ICT1	42			a) 50 MVA ICT1	8
		b) 220 KV DMTCL(D) - LAUAKHI ckt2	ZEBRA	U/C	b) 132 KV LAUAKHI - SUPAUL ckt2(Feeding power to phulparas)	ZEBRA	69	b) 160 MVA ICT2	42			b) 50 MVA ICT2	8
		c)220 KV Madhepura- Laukahi ckt1	ZEBRA	76.5									
		d)220 KV Madhepura- Laukahi ckt2	ZEBRA	76.5									
3	Madhubani				a) 132 KV MADHUBANI - PANDAUL D/C T/L	PANTHER	50					a) 50 MVA ICT3	35
					b) 132 KV MADHUBANI - PHULPARAS	PANTHER	0					b) 20 MVA ICT1	15.5
					c) 132 KV MADHUBANI - DARBHANGA	PANTHER	80					c) 20 MVA ICT2	15
					d) 132 KV MADHUBANI - BENIPATTI	PANTHER	52						
					e) 132 KV MADHUBANI - JAYNAGAR	PANTHER	11						
4	Pandaul				a) 132 KV PANDAUL - DARBHANGA	PANTHER	74					a) 50 MVA ICT1	39.4
					b) 132 KV PANDAUL - PHULPARAS	PANTHER	37					b) 50 MVA ICT3	24.62
					c) 132 KV PANDAUL - GANGWARA	PANTHER	41						
					d)132 KV PANDAUL-MADHUBANI	PANTHER	50						
5	Jainagar				a) 132 KV JHANJHARPUR - JAYNAGAR	PANTHER	13					a) 20 MVA ICT1	10
					b) 132 KV JAYNAGAR - PHULPARAS	PANTHER	35					b) 20 MVA ICT2	10
					c) 132 KV BENIPATTI - JAYNAGAR	PANTHER	24					c) 20 MVA ICT3	10
					d) 132 KV MADHUBANI - JAYNAGAR	PANTHER	11						

6	Phulparas		a) 132 KV PANDAUL - PHULPARAS	PANTHER	37			a) 20 MVA ICT1	16
			b) 132 KV PHULPARAS - NIRMALI S/C T/L	PANTHER	7			b) 20 MVA ICT2	16
			c) 132 KV PHULPARAS - SUPAUL S/C T/L (The tower collapsed on 2017 and power arrangement was made available through ERS from Laukahi GSS)	PANTHER	69				
			d) 132 KV MADHUBANI - PHULPARAS	PANTHER	Charged on no load				
			e) 132 KV JHANJHARPUR - PHULPARAS	PANTHER	Bay is U/C				
			f) 132 KV JAYNAGAR PHULPARAS	PANTHER	41				
7	Benipatti		a) 132 KV BENIPATTI - SURSAND	PANTHER	30			a) 20 MVA ICT1	13
			b) 132 KV BENIPATTI - JAYNAGAR	PANTHER	23			b) 20 MVA ICT2	14
			c) 132 KV MADHUBANI - BENIPATTI	PANTHER	57				
8	Jhanjharpur		a) 132 KV JHANJHARPUR - JAYNAGAR	PANTHER	15			a) 10 MVA ICT1	7.5
			b) 132 KV JHANJHARPUR - PHULPARAS(bay is not ready at Phulparas end)	PANTHER	U/C			b) 10 MVA ICT2	7.5
9	Darbhanga (132 KV)		a) 132 KV GANGWARA - DARBHANGA	PANTHER	61			a) 50 MVA ICT1	24
			b) 132 KV DARBHANGA - SAMASTIPUR	PANTHER	70			b) 50 MVA ICT2	24
			c) 132 KV DARBHANGA - MADHUBANI	PANTHER	83				
			d) 132 KV PANDAUL - DARBHANGA	PANTHER	77				
10	Kusheshwarsthan		a) BEGUSARAI - K.STHAN ckt1	PANTHER	30			a) 50 MVA ICT1	15.44
			a) BEGUSARAI - K.STHAN ckt2	PANTHER	30			b) 50 MVA ICT2	15.4
			b) 132 KV K.STHAN - DALSINGHSARAI	PANTHER	43				
			c) 132 KV K.STHAN - ROSERA	PANTHER	28				
			d) 132 KV D/C SONBARSA - K.STHAN	PANTHER	68				
11	Gangawara		a) 132 KV GANGWARA - DARBHANGA	PANTHER	60			a) 50 MVA ICT1	30.24
			b) 132 KV PANDAUL - GANGWARA	PANTHER	41			b) 50 MVA ICT2	30.1
								c) 50 MVA ICT3	Charged on No Load

MOTIHARI TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load(MW)	132KV Lines	Conductor type	Peak Load(MW)	220/132/33KV Transformer	Peak Load(MW)	220/132KV Transformer	Peak Load(MW)	132/33KV Transformer	Peak Load(MW)
1	132/33 kv GSS Motihari				a) 132 Kv DMTCL-Motihari D/C	Panther	130					a) 50 MVA ICT1	37
					b) 132 kv Motihari-Dhaka D/C	Panther	91					b) 50 MVA ICT2	37
					c) 132 kv Motihari-Motipur	Panther	80					c) 50 MVA ICT3	charged on no load
					d) 132 kv Motihari-Bettiah	Panther	1. Normally, charged on no-load. 2. Loaded on dt.06.09.2019 (65 MW)						
2	132/33 kv GSS Dhaka				a)132 kv Dhaka-Motihari D/C	Panther	91					a) 20 MVA ICT1	16
					b) 132 kv Dhaka-Sitamarhi S/C	Panther	46					b) 20 MVA ICT2	16
					c)132 kv Dhaka-Sheohar S/C	Panther	32					c) 20 MVA ICT3	16
					d) 132 kv Dhaka-Pakaridayal S/C	Panther	5						
3	132/33 kv GSS Pakridayal				a) 132 kv Pakaridayal-Dhaka- S/C	Panther	5					a) 20 MVA ICT1	2.5
												b) 20 MVA ICT2	2.5
4	132/33 kv GSS Chakia				a) 132 kv Chakiya-Motipur S/C	Panther	31					a) 20 MVA ICT1	16
												b) 20 MVA ICT2	16
5	132/33 kv GSS Raxaul				a) 132 kv Raxaul-DMTCL D/C	Panther	120					a)50 MVA T1	42
					b) 132 kv Raxaul-Bettiah ckt 1	Panther	Charged on no load						
					c) 132 kv Raxaul-Bettiah ckt 2	Panther	26					b)20 MVA T2	4
					c) 132 kv Raxaul-Parwanipur S/C	Panther	42						

6	132/33 kv GSS Areraj		a) 132 kv Areraj- Gopalganj S/C	Panther	70			a) 20 MVA ICT1	13
			b) 132 kv Areraj- Bettiah S/C	Panther	60			b) 20 MVA ICT2	13

7	Narkatiaganj		a) Bettiah- Narkatiaganj- Ramnagar S/C T/L	PANTHER	77			a) 20 MVA ICT 1	12
								b) 20 MVA ICT 2	12

8	Ramnagar		a) Ramnagar- Bettiah S/C T/L	PANTHER	77			a) 50 MVA ICT1	41
			b) Ramnagar- Valmikinagar Surjpura S/C T/L	PANTHER	41			b) 20 MVA ICT2	13
								c) 20 MVA ICT3	13

9	Bettia		a) Bettiah- Raxaul ckt1	PANTHER	Charged on No Load			a) 50 MVA ICT 1	43
			a) Bettiah- Raxaul ckt2	PANTHER	26			b) 20 MVA ICT 2	13
			b) Bettiah- Motihari S/C T/L	PANTHER	1. Normally, charged on no- load. 2. Loaded on dt.06.09.2019 (65 MW)			c) 20 MVA ICT 3	13
			c) Bettiah- DMTCL ckt1	PANTHER	76				
			c) Bettiah- DMTCL ckt2	PANTHER	76				
			d) Bettiah - Gopalganj S/C T/L	PANTHER	75				
			e) Bettia- Areraj S/C T/L	PANTHER	60				
			f) Bettiah- Ramnagar S/C T/L	PANTHER	79				

Saran (Chapra) TRANSMISSION CIRCLE													
Sl. No.	Name of GSS	220KV Lines	Conductor type	Peak Load	132KV Lines	Conductor type	Peak Load	220/132/33KV Transformer	Peak Load	220/132KV Transformer	Peak Load	132/33KV Transformer	Peak Load
1	132/33 Kv GSS Chhapra				a) 132 Kv Chhapra-Hajipur S/C	panther	35					a) 50 MVA ICT1	30 MW
					b) 132 Kv Chhapra-Amnour D/C	Zebra	110					b) 20 MVA ICT 2	charged on no load
					c) 132 Kv chhapra-Ekma-Raghunathpur S/C	panther	52					c) 50 MVA ICT1	30 MW
					d) 132 Kv Chhapra-Sheetalpur S/C T/L	panther	40						
2	132/33 Kv GSS Sheetalpur				a) 132 Kv Chapra-Sheetalpur S/C T/L	panther	49					a) 20 MVA ICT 1	13
					b) 132 kV Vaishali ckt no. -02	panther	1. Normally, charged on no-load. 2.Loaded on dt. 10.09.2019 (40 MW)					b) 20 MVA ICT 2	12
					c)132 kV R.W.P Bela	panther	24						
3	132/33 Kv GSS Mashrakh				a)132 KV Gopalganj-Masrakh S/C	panther	58					a) 20MVA T1	15
					b)13 2KV Masrakh-Maharajganj S/C	panther	28					b) 20MVA T2	15
					c) 132 KV Masrakh-Siwan S/C	panther	52						
					d) 132 KV Masrakh-Mahrora (factory) S/C	panther	0.8						
4	132/33 Kv GSS Ekma				a) 132 Kv chapra-Ekma-Raghunathpur S/C	panther	52					a) 50 MVA ICT 1	24
					b)132 kv Siwan - Raghunath -Ekma S/C	panther	36					b) 20 MVA ICT 2	1. Normally, charged on no-load. 2.last time loaded on 13.06.2019 (16 MW)

5	220/132/33 Kv GSS Amnour GIS	a) 220KV Hajipur ckt-1	ZEBRA	135	a) 132 Kv Amnour- Chapra Ckt-1	Zebra	60		a)160 MVA ICT1	134	a)50 MVA ICT1	27
		b) 220Kv Hajipur ckt-2	ZEBRA	135	b) 132 Kv Amnour- Chapra Ckt-2	Zebra	60		b)160 MVA ICT2	136	b)50 MVA ICT2	27
					c)132 Kv Amnour- Siwan Ckt-2	panther	75					
					d)132 Kv Amnour- Siwan Ckt-1	panther	75					
6	220/132/33 Kv GSS Gopalganj	a) 220 KV MTPS CKT 01	ZEBRA	120	a) 132 KV Hatuha S/C T/L	panther	60		a) 100 MVA ICT1	80	a) 50 MVA ICT1	31
		a) 220 KV MTPS CKT 02	ZEBRA	120	b) 132 KV Masrakh S/C T/L	panther	65		b) 100 MVA ICT2	80	b) 50 MVA ICT2	31
					c) 132 KV Areraj S/C T/L	panther	70		c) 100 MVA ICT3	80	c) 50 MVA ICT3	31
					d) 132 KV Bettiah S/C T/L	panther	70					
7	132/33 Kv GSS Hathua				a) 132 KV Gopalganj Hatuha S/C T/L	panther	65				a) 20 MVA TR.NO.1	15
					b)132 KV Siwan S/C	panther	37				b) 20MVA TR.NO.2	15
8	132/33 Kv GSS Siwan				a) 132 Kv Amnour- Siwan Ckt-2	panther	75				a).20 MVA ICT1	9
					b) 132 Kv Amnour- Siwan Ckt-1	panther	75				b).50 MVA ICT2	39
					c) 132 KV Hatuha S/C T/L	panther	37				c).50 MVA ICT3	39
					d) 132 KV Masrakh- Siwan S/C	panther	52					
					e) 132 Kv Raghunathpur S/C	panther	36					
					f)132 Kv TSS Pachrukhi	panther	10					
9	132/33 Kv GSS Maharajganj				a)132KV Masrakh S/C T/L line	panther	28				a)20 MVA ICT1	14
									b)20 MVA ICT1	14		
10	132/33 Kv GSS Raghunathpur				a) 132 KV Siwan -S/C	panther	36				a)50 MVA ICT-3	28
					b)132 Kv Chhapra S/C	panther	28				b) 50 MVA ICT-2	in maintenance

5	132/33 KV GSS Simribakhtiyarpur		a) 132KV Sonebarsa-Simri Bakhtiyarpur S/C	Panther	20		a)20 MVA ICT1	10
							b)20 MVA ICT2	10
6	132/33 KV GSS Raghopur		a) GSS RAGHOPUR CHARGED BY TAPPING 132KVKATAIYA-SUPAUL D/C TRANS.LINE	PANTHER	17		a)50 MVA ICT1	17
							b)50 MVA ICT2	Charged on NO load
							c)50 MVA ICT3	Charged on NO load
7	132/33 KV GSS Supaul		a) 132KV Madhepura-Supoul ckt1	Panther	71		a)20 MVA ICT1	16
			b) 132KV Madhepura-Supoul ckt2	Panther	71		b)20 MVA ICT2	16
			c) 132KV Kataiya-Supoul ckt1	Panther	65		c)20 MVA ICT3	16
			d) 132KV Kataiya-Supoul ckt2	Panther	48			
			e) 132KV Supoul - Nirmali S/C	Panther	7			
			f) 132KV Phoolparas - Supoul S/C	Panther	7			
			g) 132 KV Supoul-Raghopur S/C	Panther	U/C			
8	132/33 KV GSS Kataiya, Birpur		a) 132 KV Kataiya-Forbisganj ckt1	Panther	43		a)50 MVA ICT1	32
			b) 132 KV Kataiya-Forbisganj ckt2	Panther	53		b)20 MVA ICT2	Charged on NO load
			c) 132 KV Kataiya-Forbisganj ckt3	Panther	53		c) 20 MVA ICT3	16
			d)132 KV Kataiya-Supaul ckt1	Panther	38			
			e) 132 KV Kataiya-Supaul ckt2	Panther	38			
			f) 132 KV Kataiya-Duhabi(Nepal)	ACCR	120			
			g) 132 KV Kataiya-Kusaha(Nepal)	Panther	76			
9	132/33 KV GSS Nirmali		01)132 KV SUPAUL-NIRMALI T/L	Panther	7		a)20 MVA ICT1	7
			02)132 KV NIRMALI-PHULPARAS T/L	Panther	7		b)20 MVA ICT2	7
10	132/33 KV GSS Triveniganj		a)132 KV Purnea-Triveniganj S/C T/L	Panther	65		a)20 MVA ICT1	7
			(2) 132 KV TRIVENIGANJ-FORBESGANJ T/L	Panther	50		b)20 MVA ICT2	7