

220 kV Transmission Lines in BSPTCL

Date-26.06.2023

Sl. No	Name of Line	Circuit	Route Length (in km)	Total Length (in km)	Conductor type and characteristics
1	220 kV Biharsarif (PG) - Biharsarif	Quadruple	1.67	6.68	Twin ACSR Moose
2	220 kV Biharsarif - Khizisarai(BGCL)	Double	33.85	67.70	Single ACSR Zebra
3	220 kV Khizisarai(BGCL) - Bodhgaya	Double	46.69	93.38	Single ACSR Zebra
4	220 kV Biharsarif - Fathua	Double	47.00	94.00	Single ACSR Zebra
5	220 kV Gaya (PG) - Bodhgaya	Double	17.00	34.00	Single ACSR Zebra
6	220 kV Gaya (PG) - Dehri	Double	81.95	163.90	Single ACSR Zebra
7	220 kV Pusauli(PG) - Dehri	Single	60.00	60.00	Single ACSR Zebra
8	220 kV Pusauli (PG) - Karmnasa New	Single	29.00	29.00	Single ACSR Zebra , LILO portion is on Moose conductor
9	220 kV Karmnasa New-Sahupuri	Single	9.00	9.00	Single ACSR Zebra , LILO portion is on Moose conductor
10	220 kV Patna(PG)-Sipara(Line 1&2)	Double	0.45	0.90	Single ACSR Zebra
11	220 kV Patna (PG) - Fatuha	Single	30.00	30.00	Single ACSR Zebra
12	220 kV Sipara - Fatuha	Single	29.00	29.00	Single ACSR Zebra
13	220 kV Patna (PG) - Khagaul	Single	30.00	30.00	Single ACSR Zebra
14	220 kV Sipara-Bihta	Double	41.60	83.20	Single ACSR Zebra
15	220 kV Biharsarif - TTPS	Single	73.00	73.00	Twin ACSR Moose
16	220 kV Bodhgaya-Chanadauti (PG)	Double	31.00	62.00	Single ACSR Zebra
17	220 kV Chandauti(PG)- Sonenagar	Double	75.48	150.96	Single ACSR Zebra
18	220 kV Pusauli(PG)-Nadokar ckt-1	Single	4.75	4.75	Single ACSR Zebra
19	220 kV Pusauli(PG)-Nadokar ckt-2	Single	4.20	4.20	Single ACSR Zebra
20	220 kV Ara(PG)-Nadokar ckt-1	Single	4.75	4.75	Single ACSR Zebra
21	220 kV Ara(PG)-Nadokar ckt-2	Single	4.20	4.20	Single ACSR Zebra
22	220 kV Patna (PG) - Sipara ckt-3	Single	0.30	0.30	Twin ACSR Zebra
23	220 kV BTPS - Begusarai	Double	15.00	30.00	Single ACSR Zebra
24	220 kV BTPS-Hathidah BGCL	Double	9.03	18.06	Single ACSR Zebra
25	220 kV Hathidah BGCL-Biharsharif	Double	51.98	103.96	Single ACSR Zebra
26	220 kV MTPS-Samastipur(New)(LILO at loc. 241)	Double	85.00	170.00	Single ACSR Zebra
27	220 kV Samastipur(New)-Begusarai(LILO at loc. 239)	Double	55.00	110.00	Single ACSR Zebra
28	220 kV MTPS - Gopalganj	Double	101.35	202.70	Single ACSR Zebra
29	220 kV MTPS - Motipur	Double	37.80	75.60	Single ACSR Zebra
30	220 kV Motipur-Mushahri ckt-I	Single	96.20	96.20	Single ACSR Zebra
31	220 kV Motipur-Mushahri ckt-II	Single	90.00	90.00	Single ACSR Zebra
32	220 kV Mushahri - Darbhanga ckt-I	Single	58.00	58.00	Single ACSR Zebra
33	220 kV Mushahri - Darbhanga ckt-II	Single	55.00	55.00	Single ACSR Zebra
34	220 kV Purnea (PG) - Madhepura	Double	100.09	200.18	Single ACSR Zebra
35	220 kV Muzaffarpur (PG) - Hazipur	Double	52.00	104.00	Single ACSR Zebra
36	220 kV Kishanganj (PG)-Kishanganj(New) L-1	Double	4.26	8.52	AL/59
37	220 kV Kishanganj (PG)-Kishanganj(New) L-2	Double	4.50	9.00	AL/59
38	220 kV DMTCL(Darbhangha)-Samastipur(New)	Single	48.00	48.00	Single ACSR Zebra
39	220 kV Darbhanga(DMTCL)-Motipur	Double	109.00	218.00	Single ACSR Zebra
40	220 kV Darbhanga(DMTCL)-Laukahi	Double	89.00	178.00	Single ACSR Zebra
41	220 kV Madhepura-Laukahi	Double	66.00	132.00	AL/59
42	220 kV Darbhanga(DMTCL)-Darbhanga	Double	2.93	5.86	Single ACSR Zebra
43	220 kV Purnea (PG) - Khagaria New	Double	102.00	204.00	Single ACSR Zebra
44	220 kV Khagaria(New)-Begusarai	Double	98.00	196.00	Single ACSR Zebra
45	220 kV BTPS - Hajipur	Double	108.00	216.00	Single ACSR Zebra
46	220 kV Kishanganj (New)-Madhepura	Double	146.00	292.00	AL/59

47	220 kV Sitamarhi (PG)-Motipur	Double	52.10	104.20	Twin ACSR Moose
48	220 kV Saharsa(PG)-Khagaria New	Double	73.00	146.00	Single ACSR Zebra
49	220 kV Biharsharif-Asthawan	Double	20.00	40.00	Single ACSR Zebra
50	220 kV Bakhtiyarpur (New)-Sheikhpura (New)	Double	42.37	84.74	Single ACSR Zebra
51	220 kV Muzaffarpur (PG)-Garaul	Double	20.00	40.00	Single ACSR Zebra
52	220 kV Saharsa(PG)-Begusarai	Double	93.00	186.00	Single ACSR Zebra
53	220 kV Karamnasa (New)-Pusauli	Double	35.60	71.20	Twin ACSR Moose
54	220 kV Raxaul (New)-Sitamarhi (New)	Double	88.341	176.68	Single ACSR Zebra
55	220 kV Goraul-Tajpur	Double	51	102.00	Single ACSR Zebra
56	220 kV Muzaffarpur (PG)-Amnour	Double	65.4	130.80	Single ACSR Zebra
57	220 kV Raxaul (New)-Gopalganj	Double	64.898	129.80	Twin ACSR Moose
58	220 kV Gaurichak - Jakkanpur New BGCL	Single	30.774	30.77	Single ACSR Zebra
59	220 kV Jakkanpur New BGCL- Khagaul	Single	4.341	4.34	Single ACSR Zebra
	Total	101 Circuits		5102.53	
Total Length of 220 KV Transmission Lines under BSPTCL = 5102.53 km					
Total Number of 220 KV Transmission Lines under BSPTCL = 59					