

EHT LINES OF OPTCL NETWORK (As On 11.09.2025)

Sl. No.	Name of EHT Line	Zone	Route kms.	Ckt. kms.	Year of Comm.
400kV					
1	400 kV Indravati - Indravati PG	South	3.970	3.970	1999
2	400 kV Lapanga - Aditya Aluminium DC	West	5.337	10.674	2025
3	400 kV Meramundali - New Duburi DC	Central	96.600	193.200	2015
4	400 kV Meramundali - JSPL DC	Central	37.916	75.832	2010
5	400 kV Meramundali - Mendhasala DC	Central	100.451	200.902	2003
6	400 kV Meramundali - Vedanta DC(Loc No. 1 to Loc No....)	Central	50.000	100.000	2015
7	400 kV Meramundali - Vedanta DC(Loc No..... To Loc No...)	West	159.000	318.000	2015
8	400kV Lapanga Line In Ckt-I & II on DC Towers (on 400 kV Meramundali - Vedanta DC)	West	0.668	1.335	2018
9	400kV Lapanga Line Out Ckt-I & II on DC Towers (on 400 kV Meramundali - Vedanta DC)	West	0.668	1.335	2018
10	400kV Lapanga LILO DC on Multi Circuit Towers (on 400 kV Meramundali - Vedanta DC)	West	2.954	11.816	2018
11	400 kV IB-Lapanga DC	West	24.491	48.982	2018
12	400 kV Rengali - Kolaghat SC (Loc. No. 1 to 663)	North	241.500	241.500	1995
Sub-Total			723.554	1,207.546	
220kV					
1	220 kV Atri - Pandiabil DC	Central	23.700	47.400	2015
2	220 kV Atri LILO DC (220 kV Narendrapur - Mendhasal Ckt-I)	Central	1.200	2.400	2016
3	220 kV Atri LILO DC (220 kV Narendrapur - Mendhasal Ckt-II)	Central	1.200	2.400	2016
4	220 kV Balichandrapur LILO DC (220 kV New Duburi-Paradeep Ckt-I)	Central	0.982	1.964	2024
5	220 kV Bidanasi - Cuttack DC	Central	9.300	18.600	2016
6	220 kV Bhanjanagar - Meramundali DC (Loc. No. 196 up to Meramundali)	Central	58.675	117.350	1967 (Ckt-I) 1979 (Ckt-II)
7	220 kV Cuttack- Pratapsasan DC	Central	46.032	92.064	2025
8	220 kV Chandaka-B LILO DC (220kV Mendhasal - Chandaka Ckt-IV)	Central	0.029	0.058	2017
9	220 kV Duburi New - Paradeep DC	Central	113.433	226.866	2009
10	220 kV Goda LILO DC (On 220 kV Meramundali - Duburi Old Ckt -I)	Central	6.028	12.056	2020
11	220 kV Godisahi LILO DC (On 220 kV Mendhasal-Bidanasi Ckt -II)	Central	0.140	0.280	2022
12	220 kV INFOCITY-II LILO DC (Narendrapur-Mendhasal Ckt-II)	Central	1.700	3.400	2015
13	220 kV Kaniha - Meramundali DC	Central	42.520	85.040	1995
14	220 kV Kantabada LILO DC (220 kV Chandaka-Mendhasal Ckt-III)	Central	0.046	0.092	2023
15	220 kV Link DC (From Meramundali S/S to 400 kV Meramundali - Mendhasala Line)	Central	1.500	3.000	2003
16	220 kV Mendhasala - Bidanasi DC	Central	31.124	62.248	2014
17	220 kV Mendhasala - Chandaka DC (Ckt - I & II)	Central	7.260	14.520	2003
18	220 kV Mendhasala LILO DC (Bhanjanagr - Nayagarh - Mendhasala)	Central	5.958	11.916	2008
19	220 kV Mendhasala LILO DC (Mendhasala - Chandaka Ckt - III & IV)	Central	6.040	12.080	2008
20	220 kV Meramundali – Bhusan Steel DC	Central	2.400	4.800	2006 (Ckt-I) 2011 (Ckt-II)
21	220 kV Meramundali - Duburi DC	Central	95.556	191.112	1995

22	220 kV T- Connection from Meramundali-Duburi line to Meramundali-B GSS	Central	0.658	0.658	2021
23	220 kV T- Connection from Meramundali-Goda line to Meramundali-B GSS	Central	0.658	0.658	2021
24	220 kV NALCO - Meramundali DC	Central	11.465	22.930	2004
25	220 kV NALCO - Rengali PH SC	Central	62.700	62.700	1984
26	220 kV NALCO - TTPS SC	Central	8.637	8.637	1984
27	220 kV Narasinghpur LILO DC (Bhanjanagr - Meramundali)	Central	5.048	10.096	2018
28	220 kV Narendrapur - Mendhasala DC (Balugaon to Mendhasala)	Central	90.000	180.000	2010
29	220 kV Nayagarh - Chandaka DC	Central	80.500	161.000	1989
30	220 kV Nayagarh - RTSS Nayagarh SC on DC	Central	14.217	14.217	2025
31	220 kV Pandiabil LILO DC (Atri - Pandiabil ckt - I)	Central	1.500	3.000	2017
32	220 kV Pandiabil LILO DC (Atri - Pandiabil ckt - II)	Central	1.500	3.000	2017
33	220 kV Pandiabil - Samagara DC	Central	45.900	91.800	2015
34	220 kV Pandiabil - Pratapsasan DC	Central	30.688	61.376	2022
35	220 kV Paradeep - Essar Steel DC	Central	8.868	17.736	2012
36	220 kV Paradeep - IOCL SC (in DC Towers)	Central	6.000	6.000	2014
37	220 kV Rengali - Rengali PGCIL DC	Central	1.000	2.000	1997
38	220 kV Rengali - Tarkera DC (Loc. 1 to 187)	Central	34.680	69.360	1979
39	220 kV Rengali PH - Kaniha SC	Central	29.500	29.500	1984
40	220 kV Rengali PH - Rengali DC	Central	5.000	10.000	1997
41	220 kV TTPS - Joda DC (Loc. No. 1 to 234)	Central	70.000	140.000	1967 (Ckt-I) 1970 (Ckt-II)
42	220 kV TTPS - Kaniha SC	Central	34.500	34.500	1984
43	220 kV TTPS - Meramundali DC	Central	11.155	22.310	1967
44	220 kV Bhadrak LILO DC	North	1.432	2.864	2008
45	220 kV Dhamara LILO DC (220 kV New Duburi-Balasore)	North	35.219	70.438	2023
46	220 kV Duburi - Duburi New DC	North	6.384	12.768	1996 (Ckt-I) 1997 (Ckt-II)
47	220 kV Duburi - NINL SC (in DC Towers)	North	5.580	5.580	2000
48	220 kV Duburi New – Balasore DC	North	137.894	275.788	1996
49	220 kV Joda - Jamshedpur SC	North	32.000	32.000	1985
50	220 kV Joda - Ramchandrapur SC	North	15.500	15.500	1985
51	220 kV Joda - TSLPL SC (in DC Towers)	North	7.300	7.300	2007
52	220kV JSPL LILO DC (Joda - Jamshedpur Line)	North	4.800	9.600	2010
53	220 kV Keonjhar PG - Keonjhar DC	North	7.500	15.000	2018
53	220 kV Keonjhar PG - Turumunga DC	North	17.088	34.176	2025
54	220 kV Kuchei - Balasore DC	North	76.859	153.718	2007
55	220 kV TTPS - Joda DC (Loc. No. 235 to 503)	North	84.000	168.000	1967 (Ckt-I) 1970 (Ckt-II)
56	220 kV Telkoi LILO from 220 kV TTPS - Joda Ckt-I	North	14.583	29.166	2021
57	220 kV Aska New LILO DC (on Therubali - Narendrapur Ckt II)	South	42.532	85.063	2024
58	220 kV Balimela PH - Balimela SC (in DC Towers)	South	0.200	0.200	2008
59	220 kV Balimela - Malkangiri DC	South	22.410	44.820	2017
60	220 kV Balimela PH - U.Sileru SC	South	24.760	24.760	1982
61	220 kV Bhanjanagar - Aska New DC	South	28.600	57.200	2019
62	220 kV Bhanjanagar - Meramundali DC (Loc. No. 197 to 470)	South	80.500	161.000	1974
63	220 kV Bhanjanagar - Nayagarh DC (Loc. No. 1 to 230)	South	68.590	137.180	1989
64	220 kV Govindpalli LILO DC (on 220 kV Balimela PH- Jayanagar Ckt III)	South	1.077	2.154	2024

65	220 kV Gunupur LILO DC (on Therubali - Narendrapur Ckt I)	South	13.600	27.200	2022
66	220 kV Jayanagar - Balimela - III SC	South	93.460	93.460	1982
67	220 kV Jayanagar - Balimela DC	South	92.072	184.144	1974
68	220 kV Jayanagar - PGCIL DC	South	7.730	15.460	1990
69	220 kV Jayanagar - PGCIL DC Ckt (3 & 4)	South	7.730	15.460	2020
70	220 kV Jayanagar - Therubali - III SC	South	123.000	123.000	1984
71	220 kV Jayanagar - Therubali DC	South	123.200	246.400	1974
72	220 kV Jayanagar - Upper Kolab DC	South	6.000	12.000	1987
73	220 kV Jayapatana LILO DC (on Therubali - Indravati Ckt IV)	South	16.000	32.000	2019
74	220 kV Kalimela LILO DC (on Balimela- Malkangiri Ckt I)	South	35.751	71.502	2022
75	220 kV Kasipur LILO DC (on Therubali - Indravati Ckt IV)	South	3.224	6.448	2019
76	220 kV Laxmipur - Aditya Alumina DC (Loc 1 -64)	South	16.931	33.862	2014
77	220 kV Laxmipur NALCO DC	South	36.990	73.980	2019
78	220 kV Laxmipur - Utkal Alumina DC (Loc 70 - 117)	South	14.109	28.218	2014
79	220 kV Laxmipur RTSS SC on DC	South	2.450	2.450	2021
80	220 kV Narendrapur - Mendhasala DC (Upto Balugaon)	South	84.000	168.000	2004
81	220 kV Narendrapur - Tata Steel Gopalpur DC (including UG cable)	South	8.100	16.200	2020
82	220 kV Therubali - Bhanjanagar DC (Loc. No. 471 to 827)	South	104.800	209.600	1974
83	220 kV Therubali - Bhanjanagar DC (Loc. No. 828 to 1049)	South	66.660	133.320	1974
84	220 kV Therubali - Indravati DC (I & II)	South	86.148	172.296	2001
85	220 kV Therubali - Indravati DC (III & IV)	South	91.000	182.000	2007
86	220 kV Therubali - Narendrapur DC (Loc. No. 1 to 293)	South	88.270	176.540	1999
87	220 kV Therubali - Narendrapur DC (Loc. No. 293 to 656)	South	107.800	215.600	1999
88	220 kV Bamra LILO (220 kV Budhipadar - Tarkera Ckt-II)	West	5.300	10.600	2022
89	220 kV Barkote LILO DC	West	0.896	1.792	2001
90	220 kV Deogarh LILO DC from 220 kV Rengali-Barkote line	West	12.370	24.740	2021
91	220 kV Bargarh New LILO DC (220 kV Katapalli - New Bolangir Ckt-I)	West	0.035	0.070	2018
92	220 kV Bolangir PG LILO DC (220 kV Katapalli - New Bolangir Ckt-II)	West	0.900	1.800	2016
93	220 kV New Bolangir-Bolangir PG Ckt-II	West	2.700	2.700	2020
94	220 kV New Bolangir-Kesinga SC on DC	West	83.356	83.356	2022
95	220 kV Bolangir PG-Kesinga SC on DC	West	80.596	80.596	2022
96	220 kV Bonai LILO DC (220 kV Rengali - Tarkera Ckt-I)	West	2.897	5.534	2017
97	220 kV Bonai-Bimlagarh RTSS SC on DC Towers	West	20.218	20.218	2021
98	220 kV Budhipadar - Aditya Aluminium DC	West	20.507	41.014	2013
99	220 kV Budhipadar - Basundhara SC (in DC Towers)	West	35.293	35.293	2012
100	220 kV Budhipadar - Bhusan DC	West	14.920	29.840	2005
101	220 kV Budhipadar - IB DC (Ckt - I & II)	West	26.000	52.000	1995
102	220 kV Budhipadar - IB DC (Ckt - III & IV)	West	25.280	50.560	2008
103	220 kV Budhipadar – Katapali DC	West	61.716	123.432	2007
104	220 kV Budhipadar – Korba DC	West	60.000	120.000	1997
105	220 kV Budhipadar - SPS DC	West	7.100	14.200	2007
106	220 kV Budhipadar - Tarkera DC (Bamra to Tarkera, Loc. No. 121 to 328)	West	66.452	132.904	1995
107	220 kV Budhipadar - Tarkera DC (Upto Bamra, Loc. No. 1 to 120)	West	43.386	86.772	1995

108	220 kV Chandiposh Traction DC	West	5.200	10.400	2000
109	220 kV Katapali – HINDALCO DC	West	14.000	28.000	2016
110	220 kV Katapali – New Bolangir DC	West	117.847	235.694	2010 (Ckt-I) 2011 (Ckt-II)
111	220 kV Kuarnmunda LILO DC (from 220 kV Tarkera - Budhipadar)	West	16.430	32.860	2023
112	220 kV Lapanga LILO (220 kV Burla - Budhipadar)	West	3.303	6.606	2014
113	220 kV Lephripada LILO (220 kV Budhipadar - Basundhara)	West	3.875	7.750	2021
114	220 kV Tarkera - Bisra (PGCIL) DC	West	15.335	30.670	1993
115	220 kV Tarkera - Rengali DC (Loc. No. 188 to 645)	West	117.000	234.000	1979
116	220 kV Tarkera - RSP DC Ckt I & II	West	10.000	20.000	2008 (Ckt-I) 2013 (Ckt-II)
117	220 kV Tarkera - RSP DC Ckt III & IV	West	4.000	8.000	2019
	Sub-Total		3,829.742	6,975.940	
132kV					
1	132 kV Angul - Boinda SC	Central	38.500	38.500	1963
2	132 kV Angul - Chainpal SC	Central	14.931	14.931	2001
3	132 kV Angul - MCL DC	Central	10.826	21.652	1994 (Ckt-I) 1998 (Ckt-II)
4	132 kV Angul - TTPS SC	Central	16.000	16.000	1963
5	132 kV Arati Steels LILO DC	Central	11.011	22.022	2005
6	132 kV Atri - Arugul DC	Central	19.400	38.800	2016
7	132 kV Atri - Banki SC	Central	20.900	20.900	2015
8	132 kV Atri LILO MC on (132 kV Khurda - Chandpur) and on (132 kV Khurda - Shamuka)	Central	11.035	42.842	2020
9	132 kV Badagada LILO in DC Towers (Chandaka – Nimapara Line)	Central	15.870	31.740	2010
10	132 kV Bahugram LILO DC (132 kV ICCL-Salipur Line)	Central	3.080	6.058	2022
11	132 kV Banki - Nuapatana SC (in DC Towers)	Central	21.014	21.014	2018
12	132 kV Bhubaneswar - Cuttack SC	Central	19.800	19.800	1984
13	132 kV from Bhubaneswar GSS to Mancheswar – B GIS SC UG cable	Central	5.180	5.180	2020
14	132 kV Bhubaneswar Power LILO DC (on 132 kV Bidanasi - Chandaka SC at Loc No. 54)	Central	0.550	1.100	2016
15	132 kV Brajabiharipur LILO DC (on 132 kV Bidanasi - Chandaka SC at Loc No. 14-15)	Central	4.130	8.260	2020
16	132 kV Bidanasi - Chandaka SC (Loc. 1 - 51)	Central	14.621	14.621	1969
17	132 kV Bidanasi - Chandaka SC (Loc. No. 52 to 90)	Central	12.814	12.814	1969
18	132 kV Bhubaneswar - Nayapalli SC (UG Cable)	Central	6.160	6.160	2024
19	132 kV Bidanasi LILO DC (Loc. 1 - 22)	Central	6.800	13.600	1993
20	132 kV Boinda- RTSS Boinda SC	Central	2.947	2.947	2019
21	132 kV Chainpal - Talcher Traction SC	Central	0.448	0.448	2017
22	132 kV Chainpal - Choudwar Ckt - I SC (Loc. No. 148 to 285)	Central	42.700	42.700	1958
23	132 kV Chainpal - Choudwar Ckt - I SC (Loc. No. 1 to 147)	Central	43.200	43.200	1958
24	132 kV Chainpal - Choudwar Ckt - II SC (Loc. No. 152 to 314 via ICCL)	Central	47.300	47.300	1972
25	132 kV Chainpal - Choudwar Ckt - II SC (Loc. No. 1 to 151)	Central	43.780	43.780	1972
26	132 kV Chainpal - FCI DC	Central	7.000	14.000	1975

27	132 kV Chandaka - Bhubaneswar Ckt-I SC	Central	5.500	5.500	1979
28	132 kV Chandaka - Bhubaneswar Ckt-II SC	Central	5.400	5.400	1979
29	132 kV Chandaka - Mancheswar-B Ckt-I UG SC	Central	11.200	11.200	2020
30	132 kV Chandaka - Khurda SC	Central	36.500	36.500	1969
31	132 kV Chandaka – Nimapara DC	Central	62.000	124.000	1996
32	132 kV Chandaka B- Unit 8 UG Cable	Central	11.400	11.400	2019
33	132 kV Chandikhole LILO DC	Central	1.630	3.260	2003
34	132 kV Chandpur LILO DC (Khurda - Balugaon)	Central	2.310	4.620	2012
35	132 kV Choudwar - Bidanasi SC	Central	8.614	8.614	1969
36	132 kV Choudwar – Kendrapara Road Traction SC	Central	4.600	4.600	2008
37	132 kV Choudwar - Charbatia Traction SC (in DC Towers) (OH - 13.220 ckm, UG - 1.820 ckm)	Central	15.040	15.040	2025
38	132 kV Cuttack - Jagatsinghpur SC	Central	35.112	35.112	1996
39	132 kV Dhenkanal - Joranda Traction SC	Central	19.345	19.345	2005
40	132 kV Nuapatna LILO (on Chainpal - Choudwar ckt-I)	Central	35.000	70.000	1994
41	132 kV Global LILO DC(on Chainpal - FCI ckt-I)	Central	2.307	4.614	2020
42	132 kV Goda LILO DC(on 132kV Kamakhyanagar-Kalarangi line)	Central	0.800	1.600	2020
43	132 kV Gondia LILO DC(on 132kV TTPS-Duburi Ckt-II)	Central	24.459	48.918	2021
44	132 kV Grid Steel LILO DC (On 132kV Dhenkanal - Choudwar SC)	Central	1.120	2.240	2015
45	132 kV Kendrapara RTSS (from 13233 kV Marshaghai S/s)	Central	14.080	14.080	2020
46	132 kV Khajuriakata LILO DC (on 132 kV Meramundali - Arati Ckt)	Central	15.530	31.060	2017
47	132 kV Kharagprasad - NBVL DC	Central	0.577	1.154	2005 (Ckt-I) 2010 (Ckt-II)
48	132 kV Kharagprasad - Meramundali Traction SC	Central	1.170	1.170	2003
49	133 kV Kharagprasad - MGM SC (in DC Towers)	Central	7.140	7.140	2015
50	132 kV Kharagprasad - Samal Metalic SC	Central	1.030	1.030	2010
51	132 kV Khuntuni LILO DC (132 kV Chainpal - Choudwar Ckt - II SC)	Central	0.920	1.840	2018
52	132 kV ICCL - Salipur Ckt-I on DC Towers	Central	25.815	25.815	2006
53	132 kV ICCL - Salipur Ckt-II on DC Towers	Central	25.815	25.815	2021
54	132 kV Jagatsinghpur - Gorakhnath Traction SC (in DC Towers)	Central	16.530	16.530	2011
55	132 kV Jajpur Road - Kendrapara DC	Central	63.110	126.220	1979
56	132 kV Kamakhya Nagar LILO DC	Central	1.000	2.000	1999
57	132 kV Kamakhya Nagar RTSS	Central	4.940	4.940	2020
58	132 kV Kendrapara - Paradeep DC	Central	34.774	69.548	1981
59	132 kV Kendrapara - Pattamundai SC (in DC Towers)	Central	19.500	19.500	1997
60	132 kV Khurda - Balugaon SC	Central	68.566	68.566	1978
61	132 kV Khurda - Kaipadar Traction SC (in DC Towers)	Central	11.259	11.259	2002
62	132 kV Khurda – Puri SC	Central	57.570	57.570	1984
63	132 kV Marshaghai LILO DC (132 kV Kendrapara - Paradeep)	Central	2.400	4.800	2015
64	132 kV Maheswari Ispat LILO DC	Central	4.888	9.776	2006
65	133 kV Mania LILO DC	Central	0.600	1.200	2016
66	132 kV Mendhasal LILO DC (Chandaka - Khurda)	Central	0.800	1.600	2015
67	132 kV Meramundali - BRG Steel SC	Central	3.550	3.550	2007
68	132 kV Meramundali - Kharagprasad DC	Central	5.517	11.034	2005
69	132 kV Meramundali - Rungta Mines Ltd., FAD SC (in DC Towers)	Central	7.468	7.468	2007
70	132 kV Meramundali -Rungta Mines Ltd., DSP SC (in DC Towers)	Central	10.530	10.530	2021

71	132 kV Meramundali LILO DC (Chainpal - Meramundali)	Central	1.735	3.470	2007
72	132 kV Meramundali LILO DC (Meramundali - Choudwar)	Central	1.735	3.470	2007
73	132 kV Nimapara - Konark SC(in DC Towers)	Central	20.310	20.310	2015
74	132 kV Nimapara - Puri DC	Central	30.000	60.000	1998
75	132 kV OCL LILO DC	Central	15.869	31.738	2008
76	132 kV Olavar - Chandbali DC	Central	12.498	24.996	2019
77	132 kV OPCL LILO DC	Central	23.000	46.000	2009
78	132 kV Paradeep - IFFCO DC	Central	7.171	14.342	1999 (Ckt-I) 2002 (Ckt-II)
79	132 kV Paradeep - Jagatsinghpur SC (in DC Towers)	Central	56.073	56.073	2013
80	132 kV Paradeep - PPL DC	Central	6.205	12.410	2000 (Ckt-I) 2001 (Ckt-II)
81	132 kV Paradeep - PPT DC	Central	7.659	15.318	2001
82	132 kV Paradeep - SIJU RTSS	Central	5.081	5.081	2022
83	132 kV Pattamundai - Olavar DC	Central	24.338	48.676	2017
84	132 kV Pattamundai - Rajnagar DC	Central	22.286	44.572	2021
85	132 kV Phulnakhara LILO DC (Bhubaneswar - Cuttack Line)	Central	11.798	23.596	2009
86	132 kV Pratapsasan LILO in DC Towers (Badagada – Nimapara Line)	Central	2.242	4.484	2018
87	132 kV Pratapsasan - Phulnakhara DC	Central	15.038	30.076	2021
88	132 kV RAMCO LILO DC(on Jajpur Road-Kendrapada ckt-II)	Central	4.125	8.250	2020
89	132 kV Ranasinghpur LILO in DC Towers (Chandaka – Nimapara Line)	Central	1.330	2.660	2000
90	132 kV Rawmet Ferrous LILO DC	Central	8.780	17.560	2007
91	132 kV Salipur - Kendrapara SC(on DC Towers)	Central	34.400	34.400	2017
92	132 kV Samagara LILO DC (Nimapara - Puri Ckt-I)	Central	1.995	3.990	2015
93	132 kV Samagara - Satasankha DC	Central	28.473	56.946	2020
94	132 kV Samagara - Malatipatpur RTSS SC on DC	Central	5.535	5.535	2021
95	132 kV Shamuka LILO DC	Central	10.612	21.224	2015
96	132 kV Shree Cements Ltd. SC on DC line (From Khuntuni GIS)	Central	6.450	6.450	2021
97	132 kV Tirtol LILO DC (Paradeep - Jagatsinghpur Line)	Central	5.420	10.840	2017
98	132 kV TTPS - Chainpal - I SC	Central	3.000	3.000	1968
99	132 kV TTPS - Chainpal - II & III DC	Central	3.000	6.000	1980 (Ckt-II) 1981 (Ckt-III)
100	132 kV Ultratech LILO DC(from 132 kV Aarti Steel- TS Alloy line)	Central	7.634	15.268	2023
101	132 kV Agarpada LILO DC (Bhadra - Anandpur Line)	North	11.670	23.340	2019
102	132 kV Arya Iron LILO DC	North	0.470	0.940	2008
103	132 kV Arya Iron - BRPL SC (in DC Towers)	North	9.008	9.008	2013
104	132 kV B.C. Mohanty - Tomka Traction SC (in DC Towers)	North	11.860	11.860	2013
105	132 kV Chandipur LILO DC from 132 kV Balasore - Soro SC line	North	26.232	52.464	2022
106	132 kV Daitari LILO DC from 132 kV BC Mohanty- Bamnipal (TISCO) SC line	North	9.500	19.000	2021
107	132 kV Balasore - Baripada SC	North	57.300	57.300	1984
108	132 kV Balasore - Bhadrak SC	North	74.195	74.195	1980
109	132 kV Balasore - Birla Tyres SC (in DC Towers)	North	2.598	2.598	1991
110	132 kV Balasore - EMAMI Paper SC	North	8.571	8.571	2008

111	132 kV Balasore - Balasore Alloys SC	North	6.450	6.450	1986
112	132 kV Balasore - Jaleswar SC	North	55.772	55.772	1991
113	132 kV Balasore - Traction SC (in DC Towers)	North	3.565	3.565	2005
114	132 kV Bangiriposi LILO DC (132 kV Kuchei - Rairangpur)	North	0.700	1.400	2016
115	132 kV Kuchei - Bangiriposi Ckt-II (SC on DC)	North	31.256	31.256	2021
116	132 kV Bangiriposi - RTSS Bhanjapur 2 Phase, DC line	North	21.319	42.638	2025
117	132 kV Barbil LILO DC (132 kV Joda - Bolani)	North	1.368	2.736	2014
118	132 kV Barbil- RML (KSP) SC on DC (OH line-23.711 km & UG Cable- 8.1 km)	North	31.811	31.811	2023
119	132 kV Baripada - Rairangpur SC	North	76.386	76.386	1984
120	132 kV Basta LILO DC	North	0.536	1.072	2010
121	132 kV Bee Kay Steel LILO DC	North	2.400	4.800	2010
122	132 kV Betanati LILO DC	North	3.104	6.208	2019
123	132 kV Bhadrak – Anandpur SC (in DC Towers)	North	46.764	46.764	2019
124	132 KV Bhadrak – Dhamara Port SC (in DC Towers)	North	64.700	64.700	2010
125	132 kV Bhadrak - Dhamra Traction SC (in DC Towers)	North	35.700	35.700	2011
126	132 kV Bhadrak - FACOR SC	North	4.564	4.564	1983
127	132 kV Bhadrak - Traction SC (in DC Towers)	North	8.086	8.086	2003
128	132 kV Bhogarai LILO DC	North	26.717	53.434	2017
129	132 kV Bolani LILO DC (Joda - Nalda Line)	North	7.880	15.760	1995
130	132 kV Brahamani River Pellets LILO DC	North	2.780	5.560	2011
131	132 kV Dhamara - Chandbali DC	North	27.373	54.746	2024
132	132 kV Duburi - Baminipal SC	North	20.974	20.974	1985
133	132 kV Duburi - Jajpur Road DC	North	13.200	26.400	1969
134	132 kV Duburi - Jakhapura Traction SC (in DC Towers)	North	12.851	12.851	2005
135	132 kV Duburi - MESCO DC	North	6.650	13.300	2000
136	132 kV Jabamayee Ferro Alloys LILO DC	North	0.738	1.476	2008
137	132 kV Jabamayee Ferro Alloys- Sukinda RTSS (SC on DC) (OH= 3.07 km & UG Cable= 0.8 km)	North	3.870	3.870	2023
138	132 kV Jajpur Road - Anandpur DC	North	30.000	60.000	2010
139	132 kV Jaipur Road - Bhadrak SC	North	44.932	44.932	1979
140	132 kV Jajpur Town LILO DC	North	10.519	21.038	1998
141	132 kV Jaleswar - Traction SC (in DC Towers)	North	2.340	2.340	2003
142	132 kV JSWCL LILO DC (on 132 kV Duburi Old - MESCO Ckt - II)	North	4.690	9.380	2019
143	132 kV Joda - Bansapani Traction SC (in DC Towers)	North	2.990	2.990	2012
144	132 kV Joda - FAP SC (in DC Towers)	North	0.060	0.060	2003
145	132 kV Joda - Kenduposi SC	North	49.900	49.900	1985
146	132 kV Joda - Nalda - Bhalulata SC	North	59.000	59.000	1959
147	132 kV Joda - Palasponga - Rairangpur SC (Loc. 1 to 111)	North	37.000	37.000	1981
148	132 kV Kalarangi LILO DC	North	13.020	26.040	1998
149	132 kV Karanjia - Dhenkikote SC (in DC Towers)	North	41.902	41.902	2018
150	132 kV Karanjia LILO DC	North	23.514	47.028	2009
151	132 kV Kuchei LILO DC (Baripada - Rairangpur Line)	North	1.100	2.200	2005
152	132 kV Kuchei - Jaleswar DC	North	79.282	158.564	2017
153	132 kV Palasponga - Keonjharh Traction SC (in DC Towers)	North	19.433	19.433	2011
154	132 kV Polasponga - ESSAR (ESIL) SC on DC	North	19.093	19.093	2014
155	132 kV Palasponga LILO DC (Loc. No. 73/1 to 73/6)	North	18.000	36.000	1981
156	132 kV Rungta Mines LILO DC (on 132 kVJoda-Rourkela SC Line)	North	2.160	4.320	2021
157	132 kV Rungta Mines Sw. Stn. To Karakolha Steel Plant SC (in DC Towers)	North	0.894	0.894	2021
158	132 kV Palasponga - Rairangpur SC (Loc. No. 111 to 336)	North	79.100	79.100	1980
159	132 kV Soro LILO DC	North	1.010	2.020	1997
160	132 kV TTPS - Duburi DC	North	86.800	173.600	1969

161	132 kV Turumunga LILO DC (on 132 kV Palasponga-Karanjia SC Line)	North	31.354	62.708	2024
162	132 kV Udala LILO DC (on 132 kV Baripada - Balasore Line)	North	41.650	83.300	2018
163	132 kV Akhusingh - Parlakhemundi SC (in DC Towers)	South	76.900	76.900	2001
164	132 kV Akhusingh - Gunupur SC (in DC Towers)	South	23.296	23.296	2021
165	132 kV Aska - Berhampur SC	South	33.960	33.960	1980
166	132 kV Aska - Chhatrapur DC	South	43.825	87.650	1982
167	132 kV Aska New - Digapahandi DC	South	38.187	76.374	2021
168	132 kV Aska New LILO DC (on 132 kV Aska - Berhampur Line)	South	2.600	5.200	2019
169	132 kV Aska New LILO DC (on 132 kV Aska - Chhatrapur Line)	South	6.200	12.400	2019
170	132 kV Balugaon - Solari TSS SC (in DC Towers)	Central	14.500	14.500	2001
171	132 kV Balugaon LILO DC	Central	9.135	18.270	1991
172	132 kV Berhampur - Mohana SC	South	58.000	58.000	1962
173	132 kV Bhanjanagar - Aska DC	South	33.720	67.440	1980
174	132 kV Bhanjanagar – Phulbani SC	South	86.500	86.500	1986
175	132 kV Boriguma LILO DC (132 kV Jayanagar-Nabarangpur)	South	16.400	32.800	2023
176	132 kV Chhatrapur - Balugaon SC	South	54.190	54.190	1982
177	132 kV Chhatrapur - Ganjam SC	South	12.600	12.600	1968
178	132 kV Chhatrapur - Rambha TSS SC (in DC Towers)	South	28.904	28.904	2003
179	132 kV Chhatrapur- IRE DC	South	5.800	11.600	1981
180	132 kV Dabugaon - Umerkote SC	South	45.890	45.890	2015
181	132 kV Digapahandi LILO DC	South	1.882	3.764	2003
182	132 kV Digapahandi- Chikiti DC	South	29.500	59.000	2019
183	132 kV G. Udaygiri LILO DC (from 132 kV Bhanjanagar-Phulbani SC line)	South	11.500	23.000	2021
184	132 kV Gunupur - Parlakhemundi SC (in DC towers)	South	62.600	62.600	2025
185	132 kV Hinjili LILO DC (from 132 kV Berhampur-Aska New SC line)	South	0.410	0.820	2021
186	132 kV Jayanagar - Damanjodi SC	South	45.272	45.272	1986
187	132 kV Jayanagar - Rayagada SC	South	110.000	110.000	1956
188	132 kV Jayanagar - Sunabeda SC on DC Ckt-I	South	40.000	40.000	1970
189	132 kV Jayanagar - Sunabeda SC on DC Ckt-II	South	39.630	39.630	2024
190	132 kV Jayanagar - Tentulikhunti SC on DC Ckt-I	South	56.400	56.400	1985
191	132 kV Jayanagar - Tentulikhunti SC on DC Ckt-II	South	58.290	58.290	2021
192	132 kV Jayapatna - Dabugaon SC on DC	South	66.390	66.390	2020
193	132 kV Machkund PH - Jayanagar (RE Line) SC	South	148.000	148.000	1982
194	132 kV Machkund PH - Jayanagar SC	South	43.000	43.000	1956
195	132 kV Manbar - Jayangar Diversion SC in DC Towers (Loc. No. 258 to 278)	South	7.106	7.106	2007
196	132 kV Muniguda - Bissamcuttack RTSS	South	13.850	13.850	2018
197	132 kV Muniguda LILO DC (On Therubali - Kesinga SC))	South	1.900	3.800	2017
198	132 kV Nabarangpur LILO from 132 kV Jayanagar-Tentulikhunti Ckt-II	South	19.600	39.200	2021
199	132 kV Narendrapur - Berhampur DC	South	10.910	21.820	2004
200	132 kV Narendrapur - Chatrapur DC	South	13.282	26.564	2004
201	132 kV Narendrapur - Jagannathpur TSS SC (in DC Towers)	South	0.540	0.540	2000
202	132 kV Palasingi RTSS (from 220/132/33 kV Gunupur S/s)	South	16.214	16.214	2023
203	132 kV Podagada LILO DC (Jayanagar - Rayagada Line)	South	1.175	2.235	2017
204	132 kV Podagada-Patangi SC	South	52.000	52.000	2021
205	132 kV Purusottampur LILO DC (Aska - Chhatrapur Line)	South	2.500	5.000	2013
206	132 kV Rayagada - Akhusingh – Mohana SC	South	120.000	120.000	1962
207	132 kV Rayagada - Rayagada Traction SC	South	2.646	2.646	2017

208	132 kV Rayagada - VBC Ferro SC	South	0.300	0.300	2005
209	132 kV Sunabeda - Damanjodi SC	South	13.000	13.000	1985
210	132 kV Sunabeda - HAL SC (in DC Towers)	South	0.700	0.700	2005
211	132 kV Sunabeda - Pottangi SC (in DC Towers)	South	33.400	33.400	2019
212	132 kV Tentulikhunti - Dabugaon SC	South	43.200	43.200	2015
213	132 kV Tentulikhunti - Vento 40MW Solar SC (in DC Towers)	South	4.192	4.192	2018
214	132 kV Therubali-Bhalumaska RTSS SC on DC Towers	South	31.100	31.100	2021
215	132 kV Therubali - IMFA SC	South	2.000	2.000	1992
216	132 kV Therubali - JK Paper SC	South	9.680	9.680	1998
217	132 kV Therubali - Rayagada SC	South	20.000	20.000	1967
218	132 kV ABREL LILO (132 kV Kesinga-Saintala)	West	1.150	2.300	2022
219	132 kV ACME LILO (132 kV Bolangir - Saintala)	West	1.300	2.600	2015
220	132 kV Agalpur Rampur LILO DC (New Bolangir - Barpalli Ckt)	West	1.410	2.820	2025
221	132 kV Aryan - Viraj LILO DC (Burla PH - Rajgangpur - Rourkela Ckt)	West	0.470	0.940	2009
222	132 kV Bamra LILO (132 kV Budhipadar - Rajgangpur)	West	5.800	11.600	2022
223	132 kV Bamra Traction DC	West	5.000	10.000	1998
224	132 kV Bargarh - ACC DC	West	2.870	5.740	1993
225	132 kV Bargarh - Bolangir SC	West	79.700	79.700	1981
226	132 kV Bargarh New- Bhatli DC	West	40.225	80.450	2023
227	132 kV Bargarh New- Ghens DC	West	29.530	59.060	2018
228	132 kV Bargarh New LILO DC (Bargarh-Barpali SC line)	West	4.800	9.600	2021
229	132 kV Barpali - Dunguripalli RTSS SC (in DC Towers)	West	13.605	13.605	2018
230	132 kV Barpali LILO DC	West	3.357	6.714	2009
231	132 kV Bhalulata Traction SC 'T' off (in DC Towers)	West	2.710	2.710	1999
232	132 kV Bhwanipatna LILO DC	West	6.610	13.220	2013
233	132 kV Bhawanipatna- Lanjigarh RTSS SC/DC (in DC Towers)	West	34.584	34.584	2020
234	132 kV Bhawanipatna- Bhawanipatna RTSS SC/DC (in DC Towers)	West	2.102	2.102	2023
235	132 kV Bolangir - Patnagarh DC (DC from New Bolangir LILO Tower)	West	39.805	80.005	2001
236	132 kV Bolangir - Saintala SC	West	39.980	39.980	1980
237	132 kV Bolangir - Sonepur SC	West	53.845	53.845	2001
238	132 kV New Bolangir - Sonepur Ckt-II SC (in DC Towers)	West	52.446	52.446	2024
239	132 kV Brajrajnagar -Belpahar RTSS DC on DC/MC towers	West	11.293	22.586	2023
240	132 kV Brajrajnagar -Kechobahal RTSS SC (in DC Towers)	West	11.752	11.752	2020
241	132 kV LILO Lakhanpur in DC/MC (from new 132 kV Budhipadar- Brajrajnagar Ckt- II)	West	19.509	39.018	2023
242	132 kV LILO from Loc. No. 17 of old 132 kV Budhipadar- MCL (Jurabaga) Ckt-II to Brajrajnagar GSS	West	6.235	12.470	2023
243	132 kV Budhipadar - Brajrajnagar Ckt-I	West	11.745	11.745	1995
244	132 kV Budhipadar - Jharsuguda SC	West	7.000	7.000	1995
245	132 kV Budhipadar - MCL DC	West	23.000	46.000	2000
246	132 kV Budhipadar - MSP Metalics SC (in DC Towers)	West	0.592	0.592	2008
247	132 kV Budhipadar - Sundargarh DC	West	29.920	59.840	2003
248	132 kV Budhipadar - Tarkera Ckt - I SC (Rajgangpur to Tarkera, Loc. No. 1 to 88)	West	29.000	29.000	1958
249	132 kV Budhipadar - Tarkera Ckt - II SC (Rajgangpur to Tarkera, Loc. No. 1 to 89)	West	29.000	29.000	1958
250	132 kV Budhipadar - Tarkera DC (Bamra to Rajgangpur, Loc. No. 283 to 410)	West	37.000	74.000	1958
251	132 kV Budhipadar - Tarkera DC (Up to Bamra, Loc. No. 164 to 283)	West	44.000	88.000	1958
252	132 kV Burla PH - Boinda SC	West	129.700	129.700	1963

253	132 kV Burla PH - Budhipadar DC	West	57.331	114.662	1958
254	132 kV Burla PH - Chiplima PH DC	West	20.000	40.000	1979
255	132 kV Burla PH - HINDALCO DC	West	9.000	18.000	1958
256	132 kV Burla PH - Rajgangpur - Rourkela Ckt (Loc. 1 - 65)	West	18.730	18.730	1958
257	132 kV Burla PH - Rajgangpur - Rourkela Ckt (Loc. 65 – 171)	West	32.000	32.000	1958
258	132 kV Burla PH - Rajgangpur - Rourkela Ckt (Loc. 171 - 294)	West	42.000	42.000	1958
259	132 kV Burla PH - Rajgangpur - Rourkela Ckt (Loc. 294 - 430 - 526, Bamra to Rourkela)	West	66.000	66.000	1958
260	132 kV Chhend - Adhunik Metalics SC (in DC Towers)	West	21.000	21.000	2005
261	132 kV Chhend - Nuagaon TSS SC (in DC Towers)	West	35.000	35.000	2004
262	132 kV Chiplima PH - Bargarh SC	West	29.600	29.600	1979
263	132 kV Hirakud LILO DC (Burla PH - Lapanga Ckt-I)	West	0.209	0.418	2022
264	132 kV Deogaon Road RTSS (from 132/33 kV Tusura S/s)	West	9.991	9.991	2020
265	132 kV RTSS Godabhaga SC on DC	West	10.656	10.656	2021
266	132 kV Jharsuguda - Action Ispat SC (in DC Towers)	West	1.600	1.600	2012
267	132 kV Jharsuguda - UltraTech DC	West	15.700	31.400	1995
268	132 kV Jharsuguda - Traction SC	West	0.150	0.150	1995
269	132 kV Junagarh - Brundabahal SC line	West	26.820	26.820	2024
270	132 kV Kuarnmunda LILO DC (from Chhend- Shree Ganesh Metalics Ltd. SC line)	West	1.368	2.736	2024
271	132 kV Kalunga LILO DC (Budhipadar - Tarkera Ckt - I)	West	2.942	5.884	2015
272	132 kV Kalunga - EIPL SC line	West	2.248	2.248	2025
273	132 kV Kantabanji Traction SC	West	4.000	4.000	2018
274	132 kV Katapali LILO DC (Chiplima PH - Bargarh Line)	West	12.660	25.320	2007
275	132 KV Katapali LILO DC (Burla PH – Sambalpur – Boinda Line)	West	8.471	16.942	2010
276	132 kV Katapali LILO DC (Chiplima PH - Bburla PH Tie-I)	West	1.330	2.660	2016
277	132 kV Kesinga – Junagarh SC	West	52.548	52.548	2001
278	132 kV Kesinga - Junagarh Ckt II SC (in DC Towers)	West	53.000	53.000	2019
279	132 kV Kesinga - Kesinga RTSS	West	4.952	4.952	2018
280	132 kV Kesinga – Khariar SC	West	58.500	58.500	1995
281	132 kV Kesinga – Powmax (Turla) SC	West	14.532	14.532	1982
282	132 kV Kesinga - Saintala SC	West	33.200	33.200	1980
283	132 kV Kesinga - Vento 2x40MW Solar DC	West	5.740	11.480	2018
284	132 kV Khariar - Kantabanji SC (in DC Towers)	West	33.000	33.000	2018
285	132 kV Khariar - Nuapara SC (in DC Towers)	West	77.232	77.232	2014
286	132 kV Kuchinda LILO DC (Burla PH - Rajgangpur - Rourkela Ckt)	West	29.358	58.716	2013
287	132 kV Lapanga LILO DC (Burla PH - Budhipadar Ckt I)	West	2.099	2.099	2015
288	132 kV Lapanga LILO DC (Burla PH - Budhipadar Ckt II)	West	2.099	2.099	2015
289	132 kV Lapanga LILO DC (Burla PH - Sambalpur - Rajgangpur Ckt)	West		2.092	2015
290	132 kV Lapanga - Rengali RTSS	West	12.308	12.308	2017
291	132 kV Maneswar LILO DC (Sambalpur - Rairakhol SC)	West	2.870	5.740	2021
292	132 kV RTSS Maneswar SC on DC	West	5.260	5.260	2021
293	132 kV New Bolangir LILO DC (Bolangir - Patnagarh Ckt)	West	0.492	0.984	2010
294	132 kV New Bolangir 'T' (Bolangir - Sonapur Ckt)	West	2.011	2.011	2020
295	132 kV Nuapada - Nuapada RTSS	West	4.528	4.528	2019

296	132 kV Padampur - Dakshina Odisha 40MW Solar SC in DC Towers	West	9.700	9.700	2018
297	132 kV Patnagarh - Padampur ckt-I	West	44.636	44.636	2016
298	132 kV Patnagarh - Padampur ckt-II	West	44.636	44.636	2025
299	132 kV Padampur - Nuapada DC	West	68.000	136.000	2021
300	132 kV Rairakhole RTSS	West	3.500	3.500	2018
301	132 kV Rourkela - Nalda SC (Up to Bhalulata, Loc. No. 1 to 78)	West	24.290	24.290	1959
302	132 kV Rairakhole LILO DC (Burla PH - Sambalpur - Boinda Line)	West	0.500	1.000	2001
303	132 kV Rajgangpur - OCL SC	West	0.500	0.500	1973
304	132 kV Rajgangpur - Traction DC	West	2.100	4.200	1973
305	132 kV Rajgangpur LILO DC (Budhipadar - Tarkera Ckt-II)	West	1.200	2.400	2006
306	132 kV Sambalpur LILO DC (Burla PH - Rajgangpur - Rourkela Ckt)	West	6.930	13.860	1988
307	132 kV Sambalpur LILO DC (Burla PH - Rairakhole - Boinda Line)	West	0.386	0.772	2005
308	132 kV SHIVA LILO DC from 132 kV Rajgangpur- Kuchinda line	West	0.106	0.212	2023
309	132 kV SHIVA Sw. Stn. to Shiva Cement MRSS SC on DC	West	3.010	3.010	2023
310	132 kV Shree Ganesh Metaliks LILO DC (Chhend - Adhunik Metalics Ckt)	West	1.720	3.440	2011
311	132 kV Shyam DRI LILO DC (Burla PH - Rajgangpur - Rourkela Ckt)	West	1.900	3.800	2006
312	132 kV SMC Power LILO DC (Burla PH - Rajgangpur - Rourkela Ckt)	West	1.230	2.460	2013
313	132 kV Sonapur - Birmaharajpur SC (in DC Towers)	West	24.774	24.774	2022
314	132 kV Sonapur - Boudh SC (in DC Towers)	West	51.050	51.050	2015
315	132 kV Tarkera - Chend DC	West	6.165	12.330	1999
316	132 kV Tarkera - Rourkela Ckt - I SC	West	3.000	3.000	1958
317	132 kV Tarkera - Rourkela Ckt - II SC	West	3.000	3.000	1958
318	132 kV Tarkera - RSP DC	West	11.040	22.080	1981
319	132 kV Therubali - Kesinga SC	West	106.425	106.425	1982
320	132 kV Thuapali LILO DC (from 132 kV Katapali - Bargarh SC line)	West	17.409	34.818	2021
321	132 kV Tusura LILO DC (132 kV ACME - Saintala Line)	West	12.719	25.438	2017
322	132kV Tusura - Vento 2x40MW Solar DC	West	7.400	14.800	2018
323	132 kV Vedant Alumina LILO DC	West	12.403	24.806	2006
	Sub-Total		6,765.951	8,777.605	
	S U M M A R Y				
	Voltage Category		Route kms.	Ckt. kms.	
	400kV		723.554	1,207.546	
	220kV		3,829.742	6,975.940	
	132kV		6,765.951	8,777.605	
	Total		11,319.247	16,961.091	