

LIST OF EHT LINES UNDER OPTCL WITH CIRCUIT KMS. AS ON JAN'2011

Sl. No.	Name of EHT Line	Zone	Line Length (Route kms.)	Line Length (Ckt. kms.)	Year of Comm.
400kV					
1	400 kV Meramundali - Mendhasala DC (Ckt-II charged at 220kV for P/S to Bidanasi & Chandaka)	Central	100.451	200.902	2003
2	400 kV Meramundali - JSPL DC	Central	37.916	75.832	2010
3	400 kV Rengali - Kolaghat SC (Orissa Portion) (Loc. No. 1 to 663)	North	241.500	241.500	1995
4	400 kV Indravati P.H - PGCIL (Mukhiguda) SC	South	3.701	3.701	1999
	Sub Total		383.568	521.935	
220kV					
1	220 kV Bhanjanagar - Meramundali DC (Loc. No. 196 up to Meramundali)	Central	58.675	117.350	1967
2	220 kV Bidanasi LILO DC (Godi Sahi - Bidanasi)	Central	10.991	21.982	2003
3	220 kV Duburi New - Paradeep DC	Central	113.433	226.866	2009
4	220 kV Kaniha - Meramundali DC	Central	42.520	85.040	1995
5	220 kV Link DC (From Meramundali S/S to 400 kV Meramundali - Mendhasala Line)	Central	1.500	3.000	2003
6	220 kV Mendhasala - Chandaka DC (Ckt - I & II)	Central	7.260	14.520	2003
7	220 kV Mendhasala LILO DC (Bhanjanagr - Chandaka Ckt - I)	Central	5.958	11.916	2008
8	220 kV Mendhasala LILO DC (Nayagarh - Chandaka Ckt - II)	Central	6.040	12.080	2008
9	220 kV Meramundali – Bhusan Steel SC	Central	2.400	2.400	2006
10	220 kV Meramundali - Duburi DC	Central	95.556	191.112	1995
11	220 kV NALCO - Meramundali DC	Central	11.465	22.930	2004
12	220 kV NALCO - Rengali PH SC	Central	62.700	62.700	1984
13	220 kV NALCO - TTPS SC	Central	8.637	8.637	1984
14	220 kV Narendrapur - Mendhasala DC (Balugaon to Mendhasala)	Central	90.000	180.000	2010
15	220 kV Nayagarh - Chandaka DC	Central	80.500	161.000	1989
16	220 kV Rengali - Rengali PGCIL DC	Central	1.000	2.000	1997
17	220 kV Rengali - Tarkera DC (Loc. 188 to 306)	Central	34.680	69.360	1979
18	220 kV Rengali PH - Kaniha SC	Central	29.500	29.500	1984
19	220 kV Rengali PH - Rengali DC	Central	5.000	10.000	1997
20	220 kV TTPS - Joda DC (Loc. No. 1 to 234)	Central	70.000	140.000	1967
21	220 kV TTPS - Kaniha SC	Central	34.500	34.500	1984
22	220 kV TTPS - Meramundali DC (Loc. No. 1 to 45)	Central	11.155	22.310	1967
23	220 kV Bhadrak LILO DC	North	1.432	2.864	2008

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Sl. No.	Name of EHT Line	Zone	Line Length (Route kms.)	Line Length (Ckt. kms.)	Year of Comm.
24	220 kV Duburi - Duburi New DC	North	6.384	12.768	1996
25	220 kV Duburi - NINL SC	North	5.580	5.580	2000
26	220 kV Duburi New – Balasore DC	North	137.894	275.788	1996
27	220 kV Joda - Jamshedpur SC (Loc. No. 316 to 435)	North	32.000	32.000	1985
28	220 kV Joda - Ramchandrapur SC	North	15.500	15.500	1985
29	220 kV Joda - TSIL SC	North	7.300	7.300	2007
30	220kV JSPL LILO DC (Joda - Jamshedpur Line)	North	4.800	9.600	2010
31	220 kV Kuchei - Balasore DC	North	76.859	153.718	2007
32	220 kV TTPS - Joda DC (Loc. No. 235 to 503)	North	84.000	168.000	1967
33	220 kV Balimela – U.Sileru SC	South	24.760	24.760	1982
34	220 kV Balimela PH - Balimela SC	South	0.200	0.200	2008
35	220 kV Bhanjanagar - Meramundali DC (Loc. No. 197 to 470)	South	80.500	161.000	1974
36	220 kV Bhanjanagar - Nayagarh DC (Loc. No. 1 to 230)	South	68.590	137.180	1989
37	220 kV Jayanagar - Balimela - III SC	South	93.460	93.460	1982
38	220 kV Jayanagar - Balimela DC	South	92.072	184.144	1974
39	220 kV Jayanagar - PGCIL DC	South	7.730	15.460	1990
40	220 kV Jayanagar - Therubali - III SC	South	123.000	123.000	1984
41	220 kV Jayanagar - Therubali DC	South	123.200	246.400	1974
42	220 kV Jayanagar - Upper Kolab DC	South	6.000	12.000	1987
43	220 kV Narendrapur - Mendhasala DC (Upto Balugaon) (One Ckt charged at 132kV for P/S to Khurda Grid S/S)	South	84.000	168.000	2004
44	220 kV Therubali - Bhanjanagar DC (Loc. No. 471 to 827)	South	104.800	209.600	1974
45	220 kV Therubali - Bhanjanagar DC (Loc. No. 828 to 1049)	South	66.660	133.320	1974
46	220 kV Therubali - Indravati DC (I & II)	South	86.148	172.296	2001
47	220 kV Therubali - Indravati DC (III & IV)	South	91.000	182.000	2005
48	220 kV Therubali - Narendrapur DC (Loc. No. 1 to 293)	South	88.270	176.540	1999
49	220 kV Therubali - Narendrapur DC (Loc. No. 293 to 656)	South	107.800	215.600	1999
50	220 kV Barkote LILO DC	West	0.900	1.800	2001
51	220 kV Budhipadar - Bhusan DC	West	14.920	29.840	2005
52	220 kV Budhipadar - IB DC (Ckt - I & II)	West	26.000	52.000	1995
53	220 kV Budhipadar - IB DC (Ckt - III & IV)	West	25.280	50.560	2008
54	220 kV Budhipadar – Katapalli DC	West	60.440	120.880	2007
55	220 kV Budhipadar – Korba DC	West	60.000	120.000	1995

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Sl. No.	Name of EHT Line	Zone	Line Length (Route kms.)	Line Length (Ckt. kms.)	Year of Comm.
56	220 kV Budhipadar - SPS DC	West	6.400	12.800	2007
57	220 kV Budhipadar - Tarkera DC (Bamra to Tarkera, Loc. No. 121 to 328)	West	69.000	138.000	1995
58	220 kV Budhipadar - Tarkera DC (Upto Bamra, Loc. No. 1 to 120)	West	40.000	80.000	1995
59	220 kV Chandiposh Traction DC	West	5.200	10.400	2000
60	220 kV Katapalli – Bolangir DC	West	117.847	235.694	2009
61	220 kV Tarkera - Bisra (PGCIL) DC	West	15.335	30.670	1993
62	220 kV Tarkera - Rengali DC (Loc. No. 307 to 645)	West	117.000	234.000	1979
	Sub Total		2,961.731	5,483.925	
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
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 Badagada 'T' SC (Chandaka – Nimapara Line)	Central	21.090	21.090	2010
7	132 kV Balugaon – Solari TSS SC	Central	14.500	14.500	2001
8	132 kV Balugaon LILO DC	Central	9.135	18.270	1991
9	132 kV Bhubaneswar - Cuttack SC (Loc. 1 - 71)	Central	19.800	19.800	1984
10	132 kV Bidanasi - Chandaka SC (Loc. No. 52 to 90 - 24 - 22)	Central	12.814	12.814	1969
11	132 kV Bidanasi - Chandaka SC (Loc. 1 - 51)	Central	14.621	14.621	1969
12	132 kV Bidanasi LILO DC (Loc. 1 - 22)	Central	6.800	13.600	1993
13	132 kV Chainpal - Choudwar Ckt - I SC (Loc. No. 148 to 285)	Central	42.700	42.700	1958
14	132 kV Chainpal - Choudwar Ckt - I SC (Loc. No. 1 to 147)	Central	43.200	43.200	1958
15	132 kV Chainpal - Choudwar Ckt - II SC (Loc. No. 152 to 314 via ICCL)	Central	47.300	47.300	1972
16	132 kV Chainpal - Choudwar Ckt - II SC (Loc. No. 1 to 151)	Central	43.780	43.780	1972
17	132 kV Chainpal - FCI DC	Central	7.000	14.000	1975
18	132 kV Chandaka - Bhubaneswar Ckt-I SC	Central	5.500	5.500	1979
19	132 kV Chandaka - Bhubaneswar Ckt-II SC	Central	5.500	5.500	1979
20	132 kV Chandaka - Khurda SC	Central	36.500	36.500	1969
21	132 kV Chandaka – Nimapara SC (in DC tower)	Central	62.000	62.000	1996

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22	132 kV Chandaka – Ransinghpur SC (in DC tower)	Central	24.780	24.780	1997
23	132 kV Chandikhole LILO DC	Central	1.630	3.260	2003
24	132 kV Choudwar - Bidanasi SC (Loc. No. 22 - 23 - 91 to 118)	Central	8.614	8.614	1969
25	132 kV Choudwar – Kendrapara Road Traction SC	Central	4.600	4.600	2008
26	132 kV Cuttack - Jagatsinghpur SC	Central	35.112	35.112	1996
27	132 kV Dhenkanal - Joranda Traction SC	Central	19.345	19.345	2005
28	132 kV Dhenkanal - Nuapatna SC (Loc. 1 - 127)	Central	37.116	37.116	1994
29	132 kV Hind Metals - NBVL DC	Central	0.577	1.154	2005
30	132 kV Hind Metals - Meramundali Traction SC	Central	1.170	1.170	2003
31	132 kV Hind Metals - Samal Metallic SC	Central	1.030	1.030	2010
32	132 kV ICCL – Salipur SC	Central	25.815	25.815	2006
33	132 kV Jajpur Road - Kendrapara DC (Loc. 1 - 208)	Central	63.110	126.220	1979
34	132 kV Kamakhya Nagar LILO DC	Central	1.000	2.000	1999
35	132 kV Kendrapara - Paradeep DC (Loc. 209 - 326)	Central	34.774	69.548	1981
36	132 kV Kendrapara - Pattamundai SC (Loc. 1 - 67)	Central	19.500	19.500	1997
37	132 kV Khurda - Balugaon SC	Central	68.566	68.566	1978
38	132 kV Khurda - Kaipadar Traction SC	Central	11.259	11.259	2002
39	132 kV Khurda – Puri SC	Central	57.570	57.570	1984
40	132 kV Maheswari Ispat LILO DC	Central	4.888	9.776	2006
41	132 kV Meramundali - BRG Steel SC	Central	3.550	3.550	2007
42	132 kV Meramundali - Hind Metals DC	Central	5.517	11.034	2005
43	132 kV Meramundali - ML Rungta SC	Central	7.468	7.468	2007
44	132 kV Meramundali LILO DC (Chainpal - Arati Steels Ckt - I)	Central	1.735	3.470	2007
45	132 kV Meramundali LILO DC (Chainpal - Dhenkanal Ckt - II)	Central	1.735	3.470	2010
46	132 kV Nimapara - Puri DC	Central	30.000	60.000	1998
47	132 kV OCL LILO DC	Central	15.869	31.738	2008
48	132 kV OPCL LILO DC	Central	23.000	46.000	2009
49	132 kV Paradeep - IFFCO DC	Central	7.171	14.342	1999
50	132 kV Paradeep - PPL DC	Central	6.205	12.410	2000
51	132 kV Paradeep - PPT DC	Central	7.659	15.318	2001
52	132 kV Phulnakhara LILO DC (Bhubaneswar - Cuttack Line)	Central	11.798	23.596	2009
53	132 kV Ransinghpur 'T' SC (Chandaka – Nimapara Line)	Central	1.330	1.330	2000

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54	132 kV Rawmet Ferrous LILO DC	Central	8.780	17.560	2007
55	132 kV TTPS - Chainpal - I SC	Central	3.000	3.000	1968
56	132 kV TTPS - Chainpal - II & III DC	Central	3.000	6.000	1980
57	132 kV Arya Iron LILO DC	North	0.470	0.940	2008
58	132 kV Balasore - Baripada SC	North	57.300	57.300	1984
59	132 kV Balasore - Bhadrak SC	North	74.195	74.195	1980
60	132 kV Balasore – Birla Tyres SC	North	2.598	2.598	1991
61	132 kV Balasore - EMAMI Paper SC	North	8.571	8.571	2008
62	132 kV Balasore - Ispat Alloys SC	North	6.450	6.450	1986
63	132 kV Balasore - Jaleswar SC	North	55.762	55.762	1991
64	132 kV Balasore - Traction SC	North	3.565	3.565	2005
65	132 kV Baripada - Rairangpur SC	North	76.386	76.386	1984
66	132 kV Basta LILO DC	North	0.536	1.072	2010
67	132 kV Bee Kay Steel LILO DC	North	2.400	4.800	2010
68	132 KV Bhadrak – Dhamara SC	North	64.000	64.000	2010
69	132 kV Bhadrak - FACOR SC	North	4.564	4.564	1983
70	132 kV Bhadrak - Traction SC	North	8.086	8.086	2003
71	132 kV Bolani DC ('T' between Loc. No. 270 & 271 of Joda – Nalda Line)	North	7.880	15.760	1995
72	132 kV Duburi - Baminipal SC	North	20.974	20.974	1985
73	132 kV Duburi - Jajpur Road DC	North	13.200	26.400	1969
74	132 kV Duburi - Jakhapura Traction SC	North	12.851	12.851	2005
75	132 kV Duburi - MESCO DC	North	6.650	13.300	2000
76	132 kV Jabamayee Ferro Alloys LILO DC	North	0.738	1.476	2008
77	132 kV Jajpur Road - Anandpur SC	North	30.000	30.000	2010
78	132 kV Jaipur Road - Bhadrak SC	North	44.932	44.932	1979
79	132 kV Jajpur Town LILO DC	North	10.519	21.038	1998
80	132 kV Jaleswar - Traction SC	North	2.340	2.340	2002
81	132 kV Joda - FAP SC	North	0.060	0.060	2003
82	132 kV Joda - Kenduposi SC	North	49.900	49.900	1985
83	132 kV Joda - Nalda - Bhalulata SC (Loc. No. 78 to 298)	North	59.000	59.000	1959
84	132 kV Joda - Palasponga - Rairangpur SC (Loc. No. 1 to 111)	North	37.000	37.000	1981
85	132 kV Kalarangi LILO DC	North	13.020	26.040	1998
86	132 kV Karanjia LILO DC	North	23.514	47.028	2009
87	132 kV Kucheil LILO DC (Baripada - Rairangpur Line)	North	1.100	2.200	2005

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88	132 kV Polasponga - Keonjargarh Traction SC	North	19.433	19.433	2011
89	132 kV Polasponga LILO DC (Loc. No. 73/1 to 73/6)	North	18.000	36.000	1981
90	132 kV Polasponga - Rairangpur SC (Loc. No. 111 to 336)	North	79.100	79.100	1980
91	132 kV Soro LILO DC	North	1.010	2.020	1997
92	132 kV TTPS - Duburi DC	North	86.800	173.600	1969
93	132 kV Akhusingh - Parlakhemundi SC	South	76.900	76.900	2001
94	132 kV Aska - Berhampur SC	South	33.960	33.960	1980
95	132 kV Aska - Chhatrapur DC	South	43.825	87.650	1982
96	132 kV Berhampur - Mohana SC	South	58.000	58.000	1962
97	132 kV Bhanjanagar - Aska DC	South	32.930	65.860	1980
98	132 kV Bhanjanagar – Phulbani SC	South	86.500	86.500	1986
99	132 kV Chhatrapur - Balugaon SC	South	54.190	54.190	1982
100	132 kV Chhatrapur - Ganjam SC	South	12.600	12.600	1968
101	132 kV Chhatrapur - Rambha TSS SC	South	28.904	28.904	2003
102	132 kV Chhatrapur- IRE DC	South	5.800	11.600	1981
103	132 kV Digapahandi LILO DC	South	1.882	3.764	2003
104	132 kV Jayanagar - Damanjodi SC	South	45.272	45.272	1986
105	132 kV Jayanagar - Rayagada SC	South	110.000	110.000	1956
106	132 kV Jayanagar - Sunabeda SC	South	40.000	40.000	1970
107	132 kV Jayanagar - Tentulikhunti SC	South	56.400	56.400	1985
108	132 kV Machkund PH - Jayanagar (RE Line) SC	South	148.000	148.000	1982
109	132 kV Machkund PH - Jayanagar SC	South	43.000	43.000	1956
110	132 kV Manbar - Jayanagar Diversion SC (Loc. No. 258 to 278)	South	7.106	7.106	2007
111	132 kV Narendrapur - Berhampur DC	South	10.910	21.820	2004
112	132 kV Narendrapur - Chatrapur DC	South	13.282	26.564	2004
113	132 kV Narendrapur - Jagannathpur TSS SC	South	0.540	0.540	2000
114	132 kV Rayagada - Akhusingh – Mohana SC	South	120.000	120.000	1962
115	132 kV Rayagada - VBC Ferro SC	South	0.300	0.300	2005
116	132 kV Sunabeda - Damanjodi SC	South	13.000	13.000	1985
117	132 kV Sunabeda - HAL SC	South	0.700	0.700	2005
118	132 kV Therubali - IMFA SC	South	2.000	2.000	1992
119	132 kV Therubali - JK Paper SC	South	9.680	9.680	1998

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120	132 kV Therubali - Rayagada SC	South	20.000	20.000	1967
121	132 kV Aryan - Viraj LILO DC	West	0.470	0.940	2009
122	132 kV Bamra Traction DC	West	5.000	10.000	1998
123	132 kV Bargarh - ACC DC	West	2.870	5.740	1993
124	132 kV Bargarh - Bolangir SC	West	79.700	79.700	1981
125	132 kV Barpali LILO DC	West	5.000	10.000	2009
126	132 kV Bhalulata Traction SC 'T' off	West	2.710	2.710	1999
127	132 kV Bolangir - Patnagarh SC	West	41.428	41.428	2001
128	132 kV Bolangir - Sainitala SC	West	39.980	39.980	1980
129	132 kV Bolangir - Sonapur SC	West	53.845	53.845	2001
130	132 kV Budhipadar - Brajrajnagar SC	West	11.745	11.745	1995
131	132 kV Budhipadar - Jharsuguda SC	West	7.000	7.000	1995
132	132 kV Budhipadar - MCL DC	West	23.000	46.000	2000
133	132 kV Budhipadar - MSP Metallics SC	West	0.592	0.592	2008
134	132 kV Budhipadar - Sundargarh DC	West	29.920	59.840	2003
135	132 kV Budhipadar - Tarkera Ckt - I SC (Rajgangpur to Tarkera, Loc. No. 1 to 88)	West	29.000	29.000	1995
136	132 kV Budhipadar - Tarkera Ckt - II SC (Rajgangpur to Tarkera, Loc. No. 1 to 89)	West	29.000	29.000	1995
137	132 kV Budhipadar - Tarkera DC (Bamra to Rajgangpur, Loc. No. 283 to 410)	West	37.000	74.000	1995
138	132 kV Budhipadar - Tarkera DC (Up to Bamra, Loc. No. 164 to 283)	West	44.000	88.000	1995
139	132 kV Burla PH - Boinda SC	West	130.000	130.000	1963
140	132 kV Burla PH - Budhipadar DC	West	59.380	118.760	1958
141	132 kV Burla PH - Chiplima PH DC	West	25.000	50.000	1979
142	132 kV Burla PH - HINDALCO DC	West	9.000	18.000	1958
143	132 kV Burla PH - Rourkela Ckt - III SC (Loc. 294 - 430 - 526, Bamra to Rourkela)	West	66.000	66.000	1958
144	132 kV Burla PH - Sambalpur SC	West	18.730	18.730	1958
145	132 kV Sambalpur - Rajgangpur (J65 - 171)	West	32.000	32.000	1958
146	132 kV Sambalpur - Rajgangpur (Jharsuguda - Bamra)	West	42.000	42.000	1958
147	132 kV Chhend - Adhunik Metallics SC	West	20.000	20.000	2005
148	132 kV Chhend - Nuagaon TSS SC	West	35.000	35.000	2004
149	132 kV Chiplima PH - Bargarh SC	West	29.802	29.802	1979
150	132 kV Jharsuguda - L&T DC	West	13.000	26.000	1995
151	132 kV Jharsuguda - Traction SC	West	0.150	0.150	1995
152	132 kV Katapali LILO DC (Chiplima PH - Bargarh Line)	West	12.660	25.320	2007

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153	132 KV Katapalli LILO DC (Burla PH – Sambalpur – Boinda Line)	West	8.477	16.954	2010
154	132 kV Kesinga – Junagarh SC	West	52.548	52.548	2001
155	132 kV Kesinga – Khariar SC	West	58.500	58.500	1995
156	132 kV Kesinga – Powmax (Turla) SC	West	14.532	14.532	1982
157	132 kV Kesinga - Saintala SC	West	33.200	33.200	1980
158	132 kV Link SC (From Katapali S/S to 220kV Katapali-Bolangir Ckt)	West	0.996	0.996	2006
159	132 kV Rajgangpur - OCL SC	West	0.500	0.500	1973
160	132 kV Rajgangpur - Traction DC	West	2.100	4.200	1973
161	132 kV Rajgangpur LILO DC	West	1.200	2.400	2006
162	132 kV Rourkela - Goelkera SC	West	20.000	20.000	1959
163	132 kV Rourkela - Nalda SC (Up to Bhalulata, Loc. No. 1 to 78)	West	24.000	24.000	1959
164	132 kV Sambalpur LILO DC	West	6.929	13.858	1988
165	132 kV Sambalpur 'T' off SC	West	0.386	0.386	2005
166	132 kV Shyam DRI LILO DC	West	1.900	3.800	2006
167	132 kV Tarkera - Chend DC	West	6.165	12.330	1999
168	132 kV Tarkera - Rourkela Ckt - I SC	West	3.000	3.000	1958
169	132 kV Tarkera - Rourkela Ckt - II SC	West	3.000	3.000	1958
170	132 kV Tarkera - RSP DC	West	14.000	28.000	1981
171	132 kV Tarkera - RSP III SC	West	14.000	14.000	2008
172	132 kV Therubali - Kesinga SC	West	106.425	106.425	1982
173	132 kV Vedant Alumina LILO DC	West	12.403	24.806	2006
	Sub Total		4,339.609	5,226.769	
	S U M M A R Y				
	Voltage Level		Line Length (Route kms.)	Line Length (Ckt. kms.)	
	400kV		383.568	521.935	
	220kV		2,961.731	5,483.925	
	132kV		4,339.609	5,226.769	
		Total	7,684.908	11,232.629	