



**LONGITUD EN LÍNEAS DE TRANSMISIÓN (Km)
POR NIVEL DE VOLTAJE Y SUBESTACIONES**

LÍNEAS	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
230 KV	328.95	328.67	328.67	328.67	328.67	328.67	330.87	330.87	330.87	330.87	322.90	322.90	336.50	336.50	336.50	338.70	336.75	336.75	336.75	336.75
138 KV	865.95	865.95	865.95	865.95	865.95	865.95	867.87	906.37	906.37	906.37	961.46	961.46	970.96	970.96	970.96	1,037.84	990.85	1,007.16	1,006.10	1,036.10
69 KV	653.70	653.70	653.70	653.70	653.70	725.00	725.00	725.00	725.00	679.80	691.05	691.50	691.50	691.50	691.50	740.70	690.10	831.92	816.32	817.82
Total Km	1,848.60	1,848.32	1,848.32	1,848.32	1,848.32	1,919.62	1,923.74	1,962.24	1,962.24	1,917.04	1,975.41	1,975.86	1,998.96	1,998.96	1,998.96	2,117.24	2,017.69	2,175.82	2,159.17	2,190.67
Crecimiento (%)		-0.02	0.00	0.00	0.00	3.86	0.21	2.00	0.00	-2.30	3.04	0.02	1.17	0.00	0.00	5.92	-4.70	7.84	-0.77	1.46
Total Subestaciones	53	56	55	55	58	58	61	61	61	62	63	63	64	64	64	64	61	63	63	63

CAPACIDAD DE TRANSFORMACIÓN EN EL SISTEMA DE TRANSMISIÓN (MVA)

VOLTAJE	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
230/138 KV	225.00	225.00	225.00	300.00	300.00	300.00	300.00	450.00	450.00	450.00	450.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	675.00
138/69 KV	194.40	194.40	194.40	194.40	194.40	194.40	194.40	210.63	210.63	210.63	215.63	280.63	280.63	280.63	287.63	250.63	240.63	240.63	240.63	253.75
138/24.9 KV	140.00	140.00	140.00	140.00	140.00	140.00	140.00	143.75	151.85	151.85	151.85	141.85	141.85	141.85	175.60	189.95	188.65	197.40	197.40	191.15
138/13.8 KV	218.00	218.00	218.00	275.00	243.00	243.00	243.00	354.63	354.63	354.63	454.63	474.63	474.63	474.63	517.63	549.38	524.38	524.38	564.38	540.13
69/24.9 KV	80.00	80.00	80.00	80.00	80.00	80.00	80.00	79.35	85.10	85.10	85.10	85.10	85.10	85.10	95.10	85.60	79.50	102.00	102.00	100.00
69/13.8 KV	146.00	146.00	146.00	131.00	146.00	146.00	146.00	139.90	120.00	120.00	125.00	135.00	135.00	135.00	120.00	131.25	108.75	112.50	127.50	128.75
10.5/138 KV	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00	126.00
10.5/24.9 KV	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	12.50	5.00	17.50	17.50	17.50	15.00
24.9/2.4 KV	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	0.00	0.00	0.00	0.00	0.00	0.00
13.8/69 KV																0.00	87.00	87.00	87.00	133.20
13.8/138 KV	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	166.00	233.00	343.30	418.80	478.80	589.00
13.8/230 KV	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	312.00
230/4.16 KV	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	0.00
138/4.16 KV	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	10.50	8.00	8.00	23.00	12.50
69/4.16 KV	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	12.00	12.00	12.00	7.00
13.8/4.16 KV																0.00	0.00	102.00	170.00	229.50
0.48/13.8 KV																0.00	80.00	80.00	80.00	80.00
S/E MOVILES	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	40.00	15.00	55.00	55.00	55.00	55.00
TOTAL	1,481.03	1,481.03	1,481.03	1,598.03	1,581.03	1,581.03	1,581.03	1,855.89	1,849.84	1,849.84	1,959.84	2,194.84	2,194.83	2,194.83	2,284.84	2,332.69	2,600.08	2,812.58	3,162.58	3,447.98

Fuente: Empresa Nacional de Transmisión Eléctrica (ENTRESA), Gerencia de Transmisión - Dpto. de Operación y Mantenimiento.

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