材 料 汇 总 表(塔脚板式)

材料	材质	规格	段号 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	呼称高(m) 18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0
角钢	Q345	L140X10		162.4																													162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
		L125X10						49.8			51.3	51.3	51.3	51.3		102.6	49.8	51.3																51.3	51.3	51.3	51.3	102.6	49.8	51.3	49.8
		L125X8						486.2	274.0								386.4	573.6										58.4	74.0	89.6	105.2	120.8							869.6	1056.8	1243.4
		L110X10					44.7			44.7	44.7	44.7	44.7	44.7	44.7																		44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
		L110X8					538.7		57.4		211.9	375.3	429.7	593.2	533.3	222.8	28.7	28.7	26.5	40.1	53.7	67.3	40.1	53.7	67.3	80.9	94.5						269.2	481.1	644.5	807.7	971.2	1134.1	567.4	567.4	596.1
		L100X8			332.8	280.7				325.1																							657.9	613.5	613.5	613.5	613.5	613.5	613.5	613.5	613.5
		L100X7	23.8																														23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
		L90X7		43.2					260.4																								43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	303.6
		L80X7														185.0																					185.0				
		L80X6		16.2																													16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
		L75X6				67.3				67.3									30.8	41.6	53.0	65.0											327.3	327.3	327.3	67.3	67.3	67.3	67.3	67.3	67.3
		L75X5							180.4														39.2	48.4	58.6	68.6	79.0									316.0	316.0	316.0			180.4
		L70X6			202.8																												202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8
		L70X5	106.8	264.2		84.2	241.0	605.8	149.1	285.0		92.0	241.0	555.8	501.0	267.0	448.6	611.0										47.8	56.4	65.6	75.0	84.4	656.0	455.2	547.2	696.2	1011.0	1223.2	1482.4	1644.8	1788.7
		L63X5	119.4	106.4		308.8	500.9		126.8	216.0	249.2	369.6	287.6	333.1	183.2			120.0															441.8	783.8	904.2	822.2	867.7	717.8	1035.5	1155.5	1162.3
		小 计	250.0	592.4	535.6	741.0	1325.3	1141.8	1048.1	938.1	557.1	932.9	1054.3	1578.1	1262.2	777.4	913.5	1384.6	57.3	81.7	106.7	132.3	79.3	102.1	125.9	149.5	173.5	106.2	130.4	155.2	180.2	205.2	2845.3	3205.3	3581.1	3867.3	4391.1	4852.6	5178.6	5649.7	6455.0
钢板	Q235	L90X7							379.6																																379.6
		L75X5																209.3																						209.3	
		L70X5														171.0																					171.0			
		L63X5			23.0		65.8		133.6					138.3																			23.0	23.0	23.0	23.0	161.3	23.0	88.8	88.8	222.4
		L56X5	47.0	83.0					69.8	44.4	34.6	227.7		116.2		150.6		226.9															174.4	164.6	357.7	130.0	246.2	280.6	130.0	356.9	199.8
		L56X4		21.6	14.4	39.7	17.4		134.4	39.7	229.6	164.0	139.5	154.4		159.6	204.8	242.8										25.6	42.9	44.6	45.0	46.2	75.7	305.3	239.7	215.2	230.1	235.3	482.7	520.7	412.3
		L50X4	49.8	27.6	31.6				49.4	11.2	37.8			22.4		23.8									11.4	24.7	25.3	12.8		11.6	11.6	48.3	120.2	146.8	109.0	210.2	232.6	234.0	302.2	302.2	351.6
		L45X4	63.5	49.4	55.6		17.6	309.1	180.4		14.4	16.0	17.1	20.5		127.0	241.1	347.6					9.0	35.6	28.0	25.6	26.0	14.6	35.6	39.8	41.4	30.4	168.5	182.9	184.5	289.6	293.0	399.5	548.8	655.3	797.2
		L40X4	47.5	6.1	41.2		92.3			11.8	30.9	49.7	76.7	114.2	92.9	21.9		18.4	3.0	3.1	6.2	27.3	16.5	2.6	6.0	21.6	22.7	17.6	11.3	18.2	27.1	19.0	215.8	234.9	253.7	262.3	299.8	300.4	263.1	281.5	263.1
		L40X3	20.3	107.7	188.9	120.9	151.8		83.7	146.4	94.7	158.9	138.0	206.3	162.3	88.9	10.4	52.2	15.2	17.3	30.4	17.7	23.9	16.4	30.4	30.4	32.8	9.8	20.3	26.1	21.9	34.6	534.1	603.3	667.5	707.0	775.3	820.2	738.4	780.2	811.7
		小 计	228.1	295.4	354.7	160.6	344.9	309.1	1030.9	253.5	442.0	616.3	371.3	772.3	255.2	742.8	456.3	1097.2	18.2	20.4	36.6	45.0	49.4	54.6	75.8	102.3	106.8	80.4	110.1	140.3	147.0	178.5	1311.7	1660.8	1835.1	1837.3	2238.3	2464.0	2554.0	3194.9	3437.7
钢板	Q345	-6	45.2	36.4		27.7	64.8		64.8	51.7	40.7	50.8	56.2	127.1	25.9	53.9	25.1	89.5	2.7	2.7	3.5	3.8	2.7	2.8	3.1	3.5	4.0	2.8	2.8	3.4	4.1	4.4	148.5	165.2	175.3	181.5	252.4	205.1	216.8	281.2	256.5
		-8	37.4	144.2	65.2	18.0	37.5	42.5	123.4	38.8	44.4	43.8	18.7	18.7	14.0	75.5	71.5	70.7	14.0	13.5	13.9	14.1	13.7	14.0	13.7	14.1	14.3	13.6	13.5	13.7	14.0	14.5	342.0	365.6	365.0	340.7	340.7	411.5	431.8	431.0	526.2
		-10		46.8		116.4				116.4																							163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
		-12		40.5																													40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
		-22																	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
		小 计	82.6	267.9	65.2	162.1	102.3	42.5	188.2	206.9	85.1	94.6	74.9	145.8	39.9	129.4	96.6	160.2	34.4	33.9	35.1	35.6	34.1	34.5	34.5	35.3	36.0	34.1	34.0	34.8	35.8	36.6	765.0	805.3	814.8	796.7	867.6	891.1	923.1	986.7	1057.2
钢板	Q235	-5	0.4	0.9																													1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
		-6	61.4	66.2	14.8	9.5	5.4		18.2	14.9	54.4	59.1	27.0	49.0		38.5	22.9	67.9	3.4	3.4	5.2	5.2	5.2	5.2	6.9	8.7	8.7	5.1	6.9	8.6	8.6	10.3	178.1	227.1	231.8	213.7	235.7	225.2	221.4	266.4	216.7
		-8			13.8				17.1																								13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	30.9
		-10	1.2						1.6	1.1	1.1	1.1		1.1				1.1															2.3	2.3	2.3	1.2	2.3	1.2	1.2	2.3	2.8
		-12		0.5								1.9																					0.5	0.5	2.4	0.5	0.5	0.5	0.5	0.5	0.5
		-14				3.2	1.6			1.6		1.6	3.2	3.2	3.2	2.2																	1.6	3.2	4.8	6.4	6.4	8.6	4.8	4.8	4.8
		-16		0.6			1.8	3.6							1.8		1.8	1.8															0.6	0.6	0.6	0.6	0.6	2.4	4.2	4.2	6.0
		小 计	63.0	68.2	28.6	12.7	8.8	3.6	36.9	17.6	55.5	63.7	30.2	53.3	5.0	40.7	24.7	70.8	3.4	3.4	5.2	5.2	5.2	5.2	6.9	8.7	8.7	5.1	6.9	8.6	8.6	10.3	198.2	248.8	257.0	237.5	260.6	253.0	247.2	293.3	263.0
螺栓	6.8级	M16X40	32.0	49.0	15.0	15.6	20.2	9.2	31.1	24.2	46.1	43.8	26.5	60.6	15.0	41.0	23.1	63.4	2.7	2.7	3.7	3.3	4.5	3.6	4.9	5.5	5.5	3.7	4.5	5.3	5.0	6.3	133.4	170.9	168.6	160.1	194.2	189.6	180.1	220.4	197.3
		M16X50	19.2	16.7	16.3	4.6	3.2	5.1	14.7	4.6	3.8	10.3	3.2	7.0	3.8	10.9	4.5	10.9			0.6	1.1	0.8	1.1	1.4	2.6	2.6	1.0	1.9	2.7	3.0	3.4	61.2	65.0	71.5	70.4	74.2	81.9	78.1	84.5	93.4
		M16X60		0.4					1.4			1.4				1.4																	0.4	0.4	1.8	0.4	0.4	1.8	0.4	0.4	1.8
		M16X50带双帽	1.5																														1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
		M16X70带双帽		1.8																													1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
		小 计	52.7	67.9	31.3	20.2	23.4	14.3	47.2	28.8	49.9	55.5	29.7	67.6	18.8	53.3	27.6	74.3	2.7	2.7	4.3	4.4	5.3	4.7	6.3	8.1	8.1	4.7	6.4	8.0	8.0	9.7	198.3	239.6	245.2	234.2	272.1	276.6	261.9	308.6	295.8
螺栓	6.8级	M20X45	31.3	94.0	10.8	18.4	37.8	4.3	60.5	43.2	41.1	47.5	30.3	69.1	15.1	43.2	19.4	46.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	183.7	200.0	206.4	189.2	228.0	217.2	216.1	243.2	261.5
		M20X55	1.2	10.6	10.0	47.2	43.7	40.2	54.3	68.5	53.2	59.1	66.1	67.3	42.5	61.4	65.0	65.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5	102.3	134.2	140.1	147.1	148.3	184.9	191.7	191.7	221.2
		M20X65				2.6	6.4	7.7	2.6	2.6			2.6	2.6	3.8		5.1	5.1															2.6	2.6	2.6	5.2	5.2	6.4	14.1	14.1	19.3
		M20X60带双帽	1.4																														1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
		M20X70带双帽	6.2	4.6																													10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
		M20X80带双帽		9.9																													9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
		小 计	40.1	119.1	20.8	68.2	87.9	52.2	117.4	114.3	94.3	106.6	99.0	139.0	61.4	104.6	89.5	116.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	4.6	4.6	4.6	4.6	310.7	358.9	371.2	363.6	403.6	430.6	444.0	471.1	524.1
		螺栓合计	92.8	187.0	52.1	88.4	111.3	66.5	164.6	143.1	144.2	162.1	128.7	206.6	80.2	157.9	117.1	190.9	6.8	6.8	8.4	8.5	9.4	8.8	10.4	12.2	12.2	9.3	11.0	12.6	12.6	14.3	509.0	598.5	616.4	597.8	675.7	707.2	705.9	779.7	819.9
脚钉	6.8级	M16X180	5.2	1.3	3.9	3.6	6.5	5.2	2.6	4.9	2.0	4.2	5.2	8.1	7.2	2.0	3.6	5.9		0.7	1.3	2.3	0.7	1.6	2.3	3.3	3.6	1.6	2.3	3.3	3.9	4.9	24.5	25.2	27.4	33.6	36.5	37.6	43.7	46.0	47.9
		M20X200			1.2	1.9	2.5	2.5	3.1	3.1	3.1	3.7	3.1	2.5	1.2	3.1	3.7	4.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6						6.7	8.6	9.2	8.6	8.0	9.8	9.3	9.9	11.2
		小 计	5.2	1.3	5.1	5.5	9.0	7.7	5.7	8.0	5.1	7.9	8.3	10.6	8.4	5.1	7.3	10.2	0.6	1.3	1.9	2.9	1.3	2.2	2.9	3.9	4.2	1.6	2.3	3.3	3.9	4.9	31.2	33.8	36.6	42.2	44.5	47.4	53.0	55.9	59.1
垫圈	Q235	-3(ø17.5)	0.5	0.6	0.5				0.1					0.1		0.1		0.1							0.1	0.1	0.1		0.1	0.1	0.1	0.1	1.6	1.6	1.6	2.0	2.1	2.1	2.0	2.1	2.1
		-4(ø22)	0.2	0.3		0.7	1.0	0.7	0.3	0.7	0.3	0.7	1.0	1.0	1.0	0.3	0.7	0.7															1.2	1.5	1.9	2.2	2.2	2.5	2.9	2.9	3.2
		小 计	0.7	0.9	0.5	0.7	1.0	0.7	0.4	0.7	0.3	0.7	1.0	1.1	1.0	0.4	0.7	0.8							0.1	0.1	0.1		0.1	0.1	0.1	0.1	2.8	3.1	3.5	4.2	4.3	4.6	4.9	5.0	5.3
合计(kg)			722.4	1413.1	1041.8	1171.0	1902.6	1571.9	2474.8	1567.9	1289.3	1878.2	1668.7	2767.8	1651.9	1853.7	1616.2	2914.7	120.7	147.5	193.9	229.5	178.7	207.4	256.5	312.0	341.5	236.7	294.8	354.9	388.2	449.9	5663.2	6555.6	7144.5	7383.0	8482.1	9219.9	9666.7	10965.2	12097.2

桂林丰源电力勘察设计有限责任公司		110kV石塘站至城南站线路改T接110kV湘芭线、湘城线	工程	结构 部分
				施工图 设计
批准		校核	盘海燕	V3-1C1X5-Z2直线塔
核定	唐天明	设计		塔脚板式材料汇总表(二)
审查	尹广林	制图		
日期	2025年12月	比例		图号 V3-1C1X5-Z2-01(2-2)