材 料 汇 总 表

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	31	32	33	34	35	36	37	呼称高(m) 12.0	15.0	18.0	21.0	24.0
角钢	Q345	L180X16												1050.4	1521.2	731.6	1156.6	529.4	1025.4	86.6	130.8	175.1	219.4	113.2	157.4	201.7	246.0	139.7	184.0	228.2	272.5	148.6	192.8	237.1	281.4	157.4	201.7	246.0	290.2	1609.2	2140.6	2669.8	3201.4	3732.4
		L180X14										920.0																												920.0	920.0	920.0	920.0	920.0
		L160X14												102.0	198.5	201.2	201.2	198.5	198.5																					201.2	201.2	300.5	300.5	300.5
		L140X12										69.4																												69.4	69.4	69.4	69.4	69.4
		L140X10									371.2																													371.2	371.2	371.2	371.2	371.2
		L125X8									36.6																													36.6	36.6	36.6	36.6	36.6
		L110X8								276.0																														276.0	276.0	276.0	276.0	276.0
		L90X7			59.8		68.2			9.8	101.8	294.0	120.4			285.4	304.0			41.6	55.6	71.6	87.8	54.8	69.4	85.6	102.0	67.6	83.0	99.4	116.0	76.0	90.4	107.4	123.8	84.4	98.6	115.2	131.8	1170.2	1245.6	1118.0	1149.2	1181.2
		L80X7						54.4			119.5	253.6	359.6	207.7	304.9	36.7			182.9																					732.4	464.2	787.1	970.0	994.8
		L80X6				39.2			41.6	37.2	74.8		17.2		383.4	100.0	350.4	136.8	345.6																					310.0	560.4	346.8	555.6	593.4
		L75X6									83.2	126.8	112.6	262.8	629.6		245.2	290.6	299.4																					322.6	567.8	876.0	884.8	1215.0
		L75X5			33.4			35.0	30.2			44.2	22.7			25.1	25.1																							190.6	190.6	165.5	165.5	165.5
		L70X6					42.0																																	42.0	42.0	42.0	42.0	42.0
		L70X5				27.2				25.4	14.9	59.7																												127.2	127.2	127.2	127.2	127.2
		L63X5	50.5	43.3	4.4	4.6	6.4	6.6	8.4	8.4	55.4		18.1																			20.2	19.2	40.3	42.2	22.3	42.6	44.7	66.0	206.1	206.1	206.1	374.9	470.1
		小 计	50.5	43.3	97.6	71.0	116.6	96.0	80.2	71.0	514.1	859.8	1707.6	1895.2	2940.4	1648.2	2319.2	1155.3	2051.8	128.2	186.4	246.7	307.2	168.0	226.8	287.3	348.0	207.3	267.0	327.6	388.5	244.8	302.4	384.8	447.4	264.1	342.9	405.9	488.0	6584.7	7418.9	8312.2	9444.3	10495.3
钢	Q235	L56X5									27.8		15.9										12.7		13.0	27.0	42.2	16.4	29.7	44.8	47.9		29.5	14.8	29.7	14.0	13.5	30.2	28.3	94.5	212.5	235.3	162.5	156.9
		L56X4									88.5		13.4			35.1	41.2							10.9												26.2				137.0	143.1	101.9	101.9	101.9
		L50X5									25.8				106.4	86.3				16.6	31.6	48.1	41.5	8.4	26.2	21.4	23.1	9.6	17.4	24.4	26.1	11.0	7.4	27.0	16.6		8.4	17.4	6.4	278.1	118.2	130.2	92.2	157.8
		L50X4		16.8							32.1	20.7		70.7	251.5		107.9	134.9	242.8													20.7				6.7	24.3	25.0	25.6	69.6	177.5	275.2	383.1	494.2
		L45X4	5.6		6.0	5.4	6.0	6.8	7.2	6.8	27.2	13.9	32.1	132.5	112.1	56.4	133.1	52.1	65.7							7.8		16.2				5.3	19.3	20.0	20.5					173.4	250.1	301.6	397.2	361.6
		L40X4	5.2	6.6			9.4	9.4	30.2	20.6	9.6	11.7	11.2	12.1		31.4	35.1	9.6	11.3												16.0							16.0	145.3	149.0	199.6	137.3	190.0
		L40X3	31.7	11.7	36.7	34.6	50.6	33.8	18.5	24.5	17.4	4.8	4.2		14.8	18.4		11.4	13.1	12.7	19.1	25.6	28.0	16.0	23.0	30.1	32.5	8.2	26.6	34.5	24.6	5.5	16.7	24.9	26.8	5.9	18.1	27.3	16.9	398.9	398.5	378.3	388.8	350.9
		小 计	42.5	35.1	42.7	40.0	66.0	50.0	55.9	51.9	228.4	51.1	76.8	215.3	484.8	227.6	317.3	208.0	332.9	29.3	50.7	73.7	82.2	35.3	62.2	86.3	97.8	50.4	73.7	103.7	114.6	42.5	72.9	86.7	93.6	52.8	64.3	99.9	93.2	1296.8	1448.9	1622.1	1663.0	1813.3
钢	Q345	−6	6.6	6.7	1.1	0.8	1.1	0.8	0.8	0.8	71.8					3.8	3.8																							94.3	94.3	90.5	90.5	90.5
		−8			18.8	14.2	17.4	15.4	19.0	16.0	68.7	201.9	256.1	101.8	63.0	98.1	160.5	64.0	62.7																				725.6	788.0	793.3	792.0	792.3
		−10										38.4	59.6																			2.1							98.0	98.0	98.0	98.0	98.0
		−12	17.2	18.0							65.4			233.8	153.4	313.1	313.1	153.4	153.4	11.7	13.2	15.5	19.8	11.7	13.2	15.0	18.4	11.7	12.7	19.2	18.4	9.2	12.7	13.6	16.4	11.7	12.7	13.6	15.5	492.9	487.3	561.4	553.4	549.8
		−14			31.6	30.2	33.6	30.8	35.4	34.8																														196.4	196.4	196.4	196.4	196.4
		−16																		77.3	77.3	74.6	75.2	76.3	76.6	74.0	74.6	72.4	70.5	70.7	71.3	72.3	73.1	70.3	71.1	72.3	72.9	70.4	70.5	300.8	298.4	285.2	284.4	282.0
		−40																		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	326.8	326.8	326.8	326.8	326.8
		小 计	23.8	24.7	51.5	45.2	52.1	47.0	55.2	51.6	205.9	240.3	315.7	335.6	216.4	415.0	477.4	217.4	216.1	170.7	172.2	171.8	176.7	169.7	171.5	170.7	174.7	165.8	164.9	171.6	171.4	165.3	167.5	165.6	169.2	165.7	167.3	165.7	167.7	2234.8	2289.2	2351.6	2341.5	2335.8
板	Q235	−2										1.6		4.6		4.6	4.6																							6.2	6.2	6.2	6.2	6.2
		−4											6.6																											6.6	6.6	6.6	6.6	6.6
		−5	0.6	0.4	0.2	0.2		0.2	0.2	0.2																													2.0	2.0	2.0	2.0	2.0
		−6	5.7	3.6	9.4	4.1	6.8	6.3	2.4	4.5	74.9	27.1	17.4		17.9	18.0	18.0	17.9	17.9	3.4	5.0	6.7	6.7	3.2	4.8	6.4	6.4	3.4	5.0	6.7	6.7	3.4	5.0	6.7	6.7	3.4	5.0	6.7	6.7	207.0	205.8	206.9	206.9	206.9
		−8		0.1		0.1	0.1				1.7																													2.0	2.0	2.0	2.0	2.0
		−10	0.2		0.2		0.2	0.2	0.4	0.2	0.7	2.0																												4.1	4.1	4.1	4.1	4.1
		−12	0.4	0.2	0.2	0.2	0.2	0.4	0.2	0.4	1.4	1.2			1.2			1.2	1.2																					4.8	4.8	6.0	6.0	6.0
		−14			0.2		0.2					1.4	8.6																											10.4	10.4	10.4	10.4	10.4
		−16											1.6	4.9	3.3	1.6	3.3		1.6																				3.2	4.9	6.5	8.1	9.8
		−20												2.0			2.0																								2.0	2.0	2.0	2.0
		−24												2.4			2.4																								2.4	2.4	2.4	2.4
		小 计	6.9	4.3	10.2	4.6	7.5	7.1	3.2	5.3	78.7	33.3	34.2	13.9	22.4	24.2	30.3	19.1	20.7	3.4	5.0	6.7	6.7	3.2	4.8	6.4	6.4	3.4	5.0	6.7	6.7	3.4	5.0	6.7	6.7	3.4	5.0	6.7	6.7	246.3	251.2	255.1	256.7	258.4
钢管	Q345	φ45/φ25.5			0.4	0.4	0.4	0.4	0.4	0.4																														2.4	2.4	2.4	2.4	2.4
		φ36/φ19.5	0.2	0.2							0.4																													0.8	0.8	0.8	0.8	0.8
		小 计	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4																													3.2	3.2	3.2	3.2	3.2
螺栓	4.8级	M16X40	4.3	2.5	3.0	3.9	3.6	4.0	3.2	4.0	29.0	6.9	5.8	7.5	14.4	14.4	16.7	12.1	12.7	1.6	2.0	2.5	2.5	1.6	2.0	2.5	2.5	1.4	2.0	2.5	2.0	1.2	1.6	2.0	2.0	1.2	1.3	2.0	1.9	94.6	96.9	97.8	98.4	99.7
		M16X50	1.9	1.1	3.5	1.0	4.2	2.1	1.4	1.8	17.8	3.5	3.5	4.0	7.0	2.7	4.0	1.9	5.1	1.6	3.2	4.2	4.2	1.6	3.2	4.2	4.2	1.8	3.2	4.2	4.6	2.1	3.0	4.3	4.3	2.1	3.4	4.3	4.2	61.3	62.6	66.1	68.1	69.6
		M16X60									0.7			2.8	4.2	1.4	2.8	1.4	2.8	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.7		0.4	0.4	0.4			0.4	0.4	4.9	6.3	7.7	7.9	9.3
		M16X60(双帽)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	3.3																													9.7	9.7	9.7	9.7	9.7
		小 计	7.0	4.4	7.3	5.7	8.6	6.9	5.4	6.6	50.8	10.4	9.3	14.3	25.6	18.5	23.5	15.4	20.6	3.6	5.6	7.4	7.4	3.6	5.6	7.4	7.4	3.6	5.6	7.4	7.3	3.3	5.0	6.7	6.7	3.3	4.7	6.7	6.5	170.5	175.5	181.3	184.1	188.3
	6.8级	M20X45	4.3	3.8	4.9	4.3	4.3	4.3	4.9	4.3	41.1	31.9	35.1	14.0	17.3	28.1	30.3	17.3	17.3													1.1	0.5	1.1	1.1	0.5	1.1	1.1	1.6	171.3	173.5	174.5	178.9	180.9
		M20X55									22.4	50.2	46.1	23.6	27.2	35.4	35.4	17.7	22.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	1.8	1.8	1.2	1.2	1.8	1.2	1.2	1.8	161.3	161.3	164.8	169.5	176.7
		M20X65										30.8	21.8	15.4	10.3	6.4	15.4	2.6	6.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.4	6.4	5.8	6.4	6.4	6.4	82.2	91.2	93.8	100.0	103.9
		M20X75											41.5	45.6	77.4	77.4	85.7	77.4	77.4																					118.9	127.2	164.5	164.5	164.5
		M20X70(双帽)	3.9	3.9	6.2	6.2	6.2	6.2	6.2	6.2	6.2																													51.2	51.2	51.2	51.2	51.2
		小 计	8.2	7.7	11.1	10.5	10.5	10.5	11.1	10.5	69.7	112.9	144.5	98.6	132.2	147.3	166.8	115.0	123.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	8.7	8.1	8.7	8.7	8.1	8.7	8.7	9.8	584.9	604.4	648.8	664.1	677.2
		螺栓合计	15.2	12.1	18.4	16.2	19.1	17.4	16.5	17.1	120.5	123.3	153.8	112.9	157.8	165.8	190.3	130.4	144.1	11.2	13.2	15.0	15.0	11.2	13.2	15.0	15.0	10.6	12.6	14.4	14.3	12.0	13.1	15.4	15.4	11.4	13.4	15.4	16.3	755.4	779.9	830.1	848.2	865.5
脚钉	4.8级	M16X180									5.9	3.9	5.9	6.5	11.1	5.2	8.5	3.3	7.2		0.7	1.3	2.3	0.3	1.0	2.0	2.6	0.7	1.6	2.3	2.9	1.0	1.6	2.3	2.9	1.0	1.3	2.6	3.3	30.1	34.6	37.1	41.0	46.5
	6.8级	M20X200									2.5	3.7	6.2	4.9	7.4	6.2	6.2	6.2	6.2																				0.6			18.6	18.6	23.5	23.5	24.7
		小 计									8.4	7.6	12.1	11.4	18.5	11.4	14.7	9.5	13.4		0.7	1.3	2.3	0.3	1.0	2.0	2.6	0.7	1.6	2.3	2.9	1.0	1.6	2.3	2.9	1.0	1.9	2.6	3.3	48.7	53.2	60.6	64.5	71.2
垫圈	Q235	−3(φ17.5)			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	1.4	1.4	1.4	1.4
		小 计			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.4	1.4	1.4	1.4	1.4
合 计 (kg)			139.1	119.7	220.9	177.5	261.8	218.0	211.5	197.4	1156.5	1315.5	2300.3	2584.4	3840.3	2492.3	3349.3	1739.7	2779.0	342.9	428.3	515.3	590.2	387.8	479.6	567.8	644.6	438.3	524.9	626.4	698.5	469.1	562.6	661.6	735.3	498.5	594.9	696.3	775.3	11171.3	12745.9	13436.3	14622.8	15844.1

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湘昆线、湘城线	工程	结构 部分
			施工图 设计
批准	唐天明	校核	盘海燕
核定		设计	
审查	尹广林	制图	
日期	2025年12月	比例	

V3-1C2W3-J4塔
材料汇总表(塔脚板式)(二)

图号 V3-1C2W3-J4-01-(2-2)