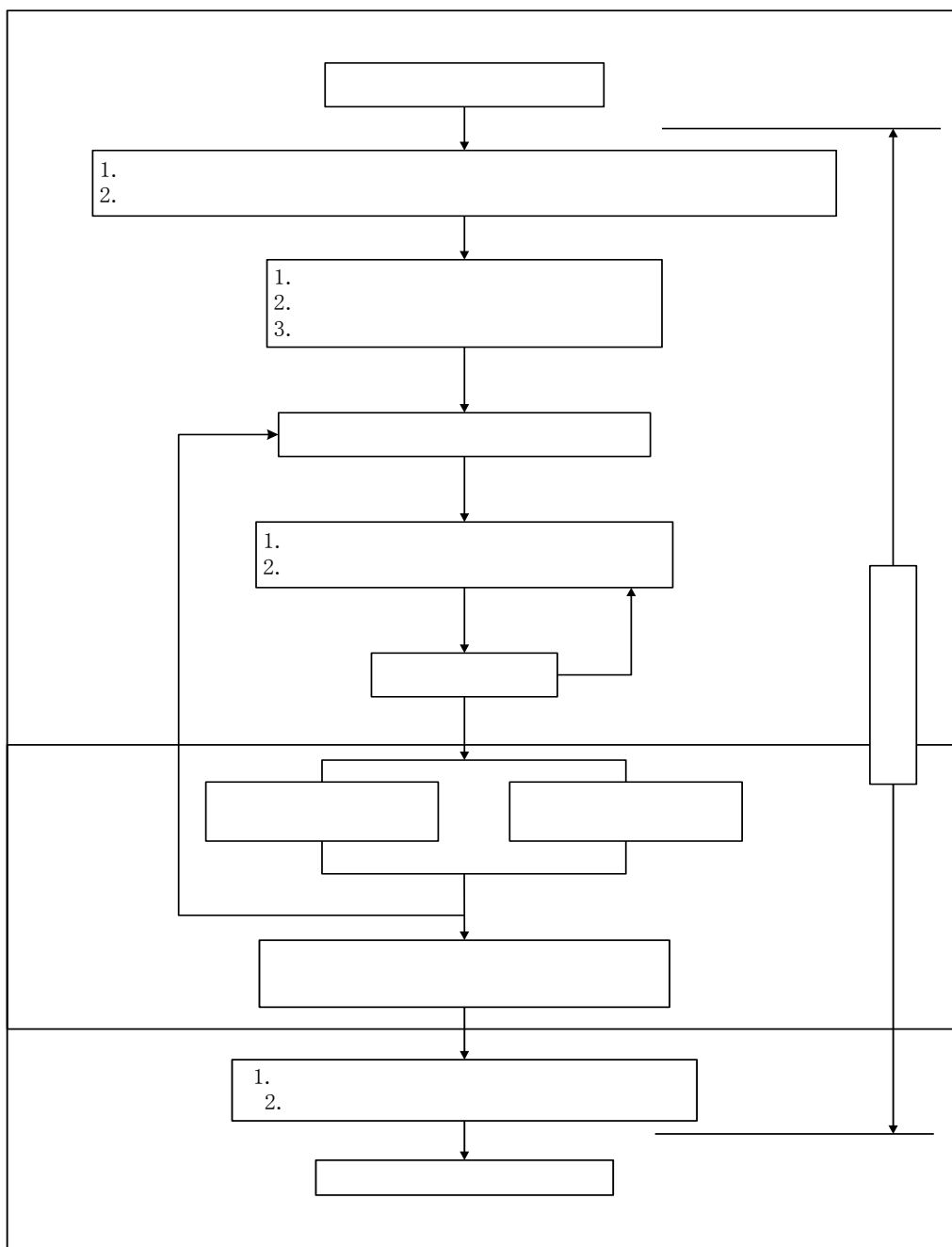

1

2020 50%
30% 8% 12%

2014 841.7MW

70MW
2015 33



1

1.1

1.2

1.2.1

- (1) (2015.1)
- (2) (2002.10)
- (3) (2016.1)
- (4) (2008.3)
- (5) (1996.10)
- (6) (2015.5)
- (7) (2011.3)
- (8) (1989.3)
- (9) (1984.9)
- (10) (1998.11)
- (11) (1993.8);
- (12) (1992.2)
- (13) (1996.9)
- (14) (2000.1)
- (15) (2000.11)
- (16) (

15				
	2015			
2015		[2015]38		
1.2.3				
(1)		HJ2.1-2011		
(2)		HJ2.2-2008		
(3)		HJ/T2.3-93		
(4)		HJ2.4-2009		
(5)		HJ19-2011		
(6)		HJ610-2016		
(7)		HJ/T 169-2004		
(8)		HJ/T 6-94		
(9)				
(10)		(GB50433-2008)		
1.2.4				
(1)				
	2015.11			
(2)				
	2015.11			
(3)		2008		
(4)			2015	2015 71
	2015.6			
(5)			1998.10	
1.3				
1.3.1				
1				

2015

14# 32# 33# 34# 4

400m

1.6-1 1.6-1

GB3838-2002 III

1.3-1 1.3-2 2

1.3-1

89									
90									

1.3-2 mg/L

	III
pH ()	6 9
	/
	5
	6
	4
(NH ₃ -	1.0
	0.05
	0.2 0.05

2

(GB3096-2008)

GB/T 15190-2014 1

1

1.3-3 dB(A)

1	55	45

3

(GB3095-2012)

1.3-4

1.3-4		mg/m ³		
	SO ₂	NO ₂	PM ₁₀	TSP
	0.5	0.20	/	/
	0.15	0.08	0.15	0.30

4

1-31081B04

1-31081B05

1-31081B06

1.3-5

3

1.3-5

	1-31081B04	
	1-31081B05	
	1-31081B06	

1.3.2

1

1

GB 5084-92

1.3-6	GB 5084-92		mg/L
BOD ₅	80	150	80
COD _{Cr}	200	300	150
	150	200	100
P	5	10	10
	12	30	30

	5	10	1
/L	10000		

GB-T18920-2002

1.3-7

GB-T18920-2002

pH	6.0 9.0				
/	30				
	5	10	10	5	20
	1500	1500	1000	1000	/
BOD ₅	10	10	20	10	15
	10	10	20	10	20

2

12

GB-T18920-2002

2

GB12348-2008

1

1.3-8

GB12348-2008

	Leq:dB A	
1	55	45

(GB12523-2011)

1.3-9

1.3-9

dB(A)

70	55
15dB(A)	

3

(GB16297-1996)

1.4.4

SO₂ NO₂

(HJ2.2-2008)

200m

1.4.5

(HJ/T169-2004)

1.5

1.5.1

1

PM₁₀ SO₂ NO₂

2

pH BOD₅ DO

3

L_{Aeq}

4

5

1.5.2

1.6

1.6.1

1	20.4 m ³	14.99 m ³
1.74km ²	0.069km ²	1.671km ²
2	12 m ³	8.62
m ³	0.58km ²	0.059km ²
		0.521km ²
	1.6-1	1.6-1
1.6-1		

	121.310	28.335
	121.210	28.330
	121.303	28.329
	121.292	28.324
	121.289	28.327
	121.294	28.332
	121.297	28.336
	121.307	28.339
	121.315	28.343
	121.313	28.341
	121.312	28.340
	121.306	28.339
	121.303	28.340
	121.306	28.345
	121.310	28.344

	121.314	28.345
--	---------	--------

3

14# 32# 33# 34# 4

400m

1.6-1

1.6-1

5

DMJ	m			
-----	---	--	--	--

2

2.1

2.1.1

60310.79

-

250m 560m

S226

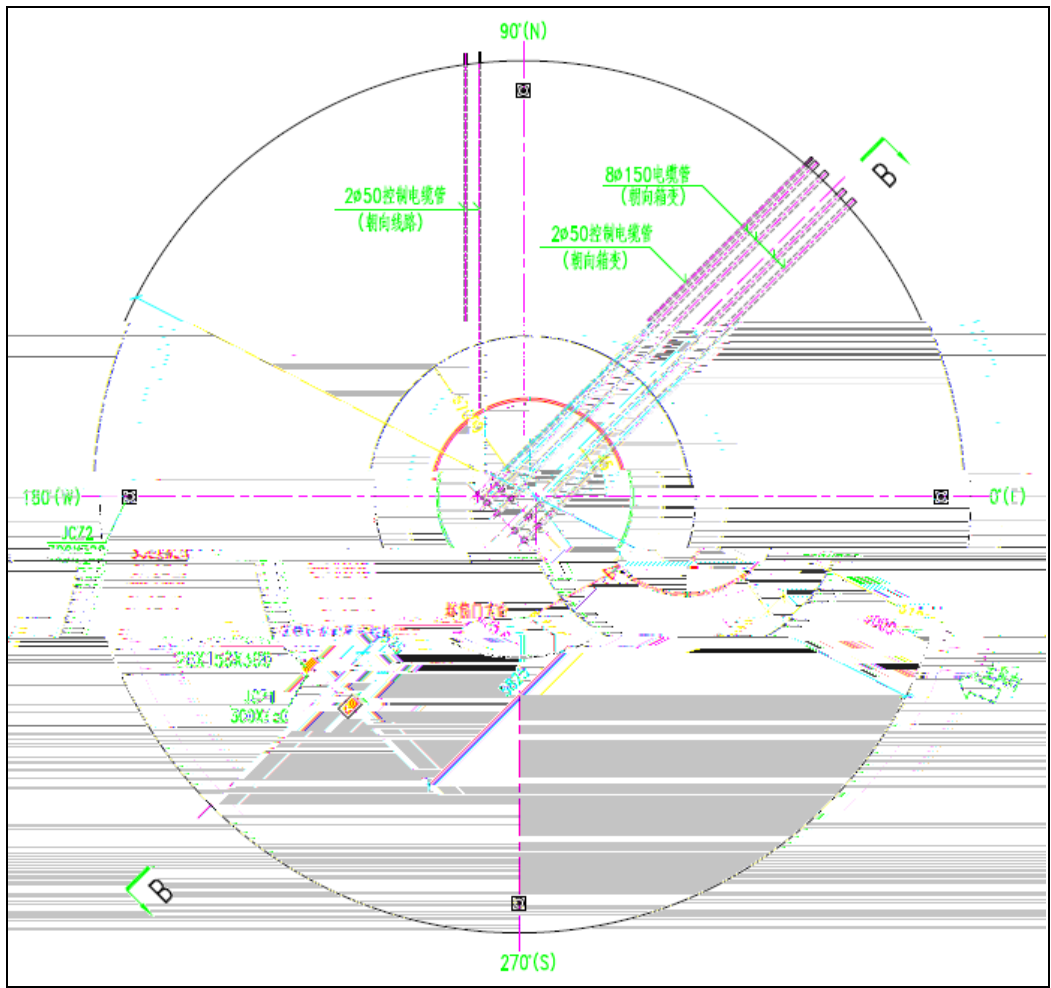
10km

2.1.2

2MW

2.8





2. 1-1

2.1.4.6

25.554km

2.199km

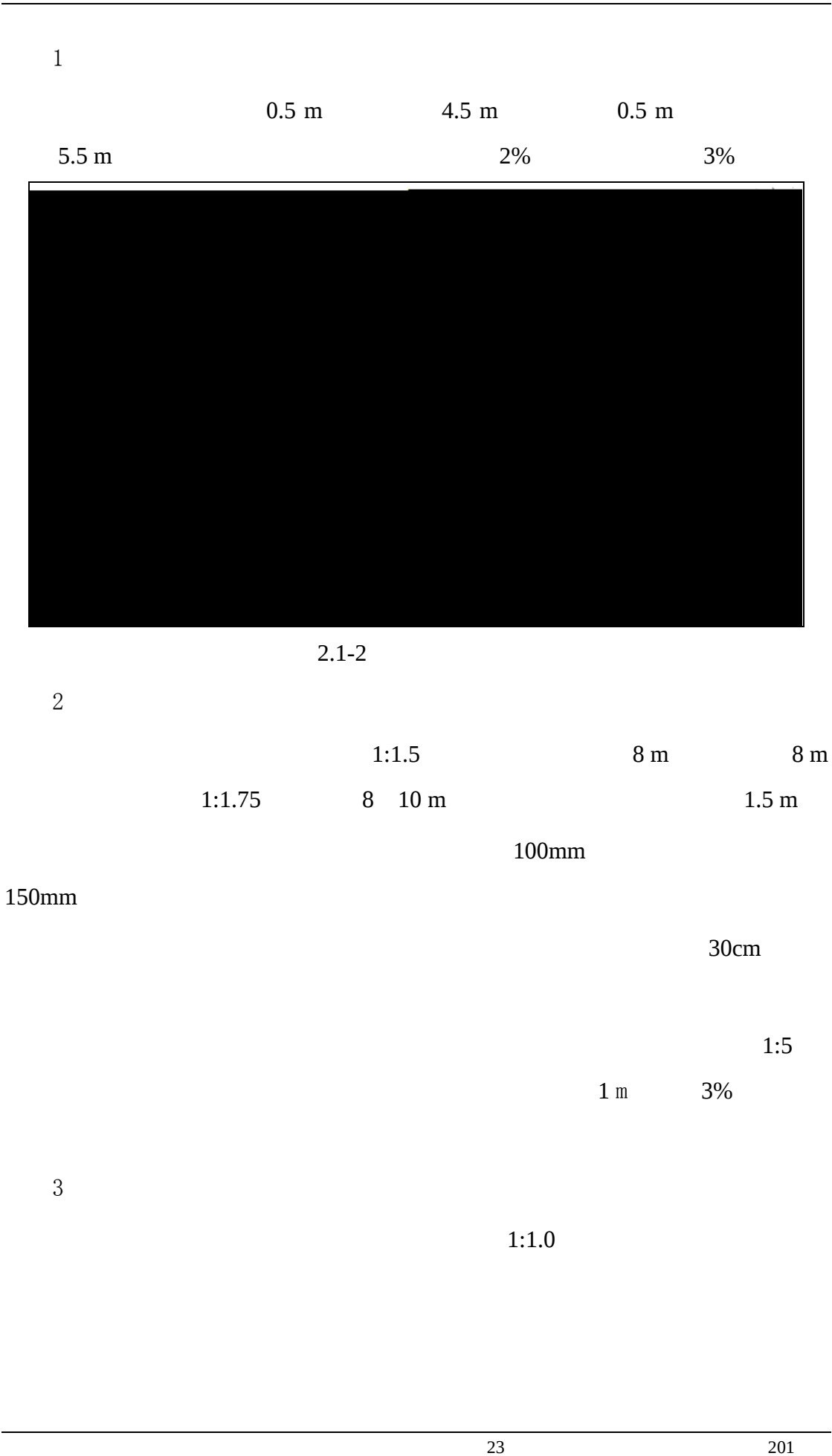
5.5m

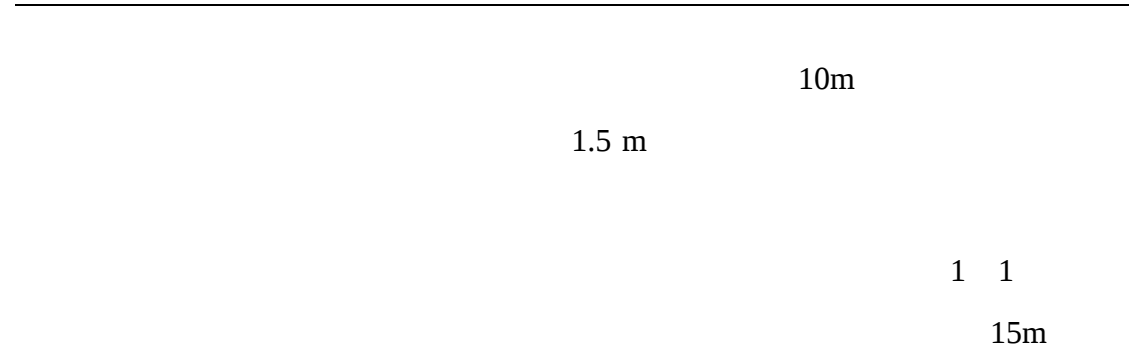
4.5m

4.5m

JTG D30-2004

GBJ22-87





2.1.5

2.1-1

2.1-1

			m	250~560	
				121 17'53.30'	
				28 19'3.93'	
		(70m)	m/s	6.4	
		(70m)	W/m ²	295	
				35	
			Kw	2000	
				3	
			m	103	
			m ²	8430	
			m/s	3	
			m/s	9.9	
			m/s	25	
			m	80	
			kW	2100	
				1.0	-0.95~+0.95
			V	690	
		35kv	2200kVA	35	
			MVA	70	
			kV	110	
				1	
			kV	110	
				35	
				35	

--	--	--	--	--	--

2.1-2

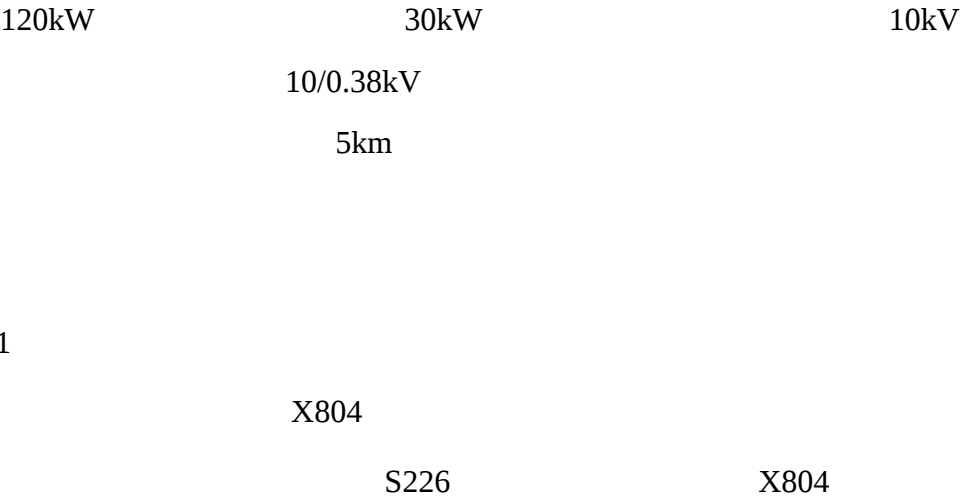
2.1-2

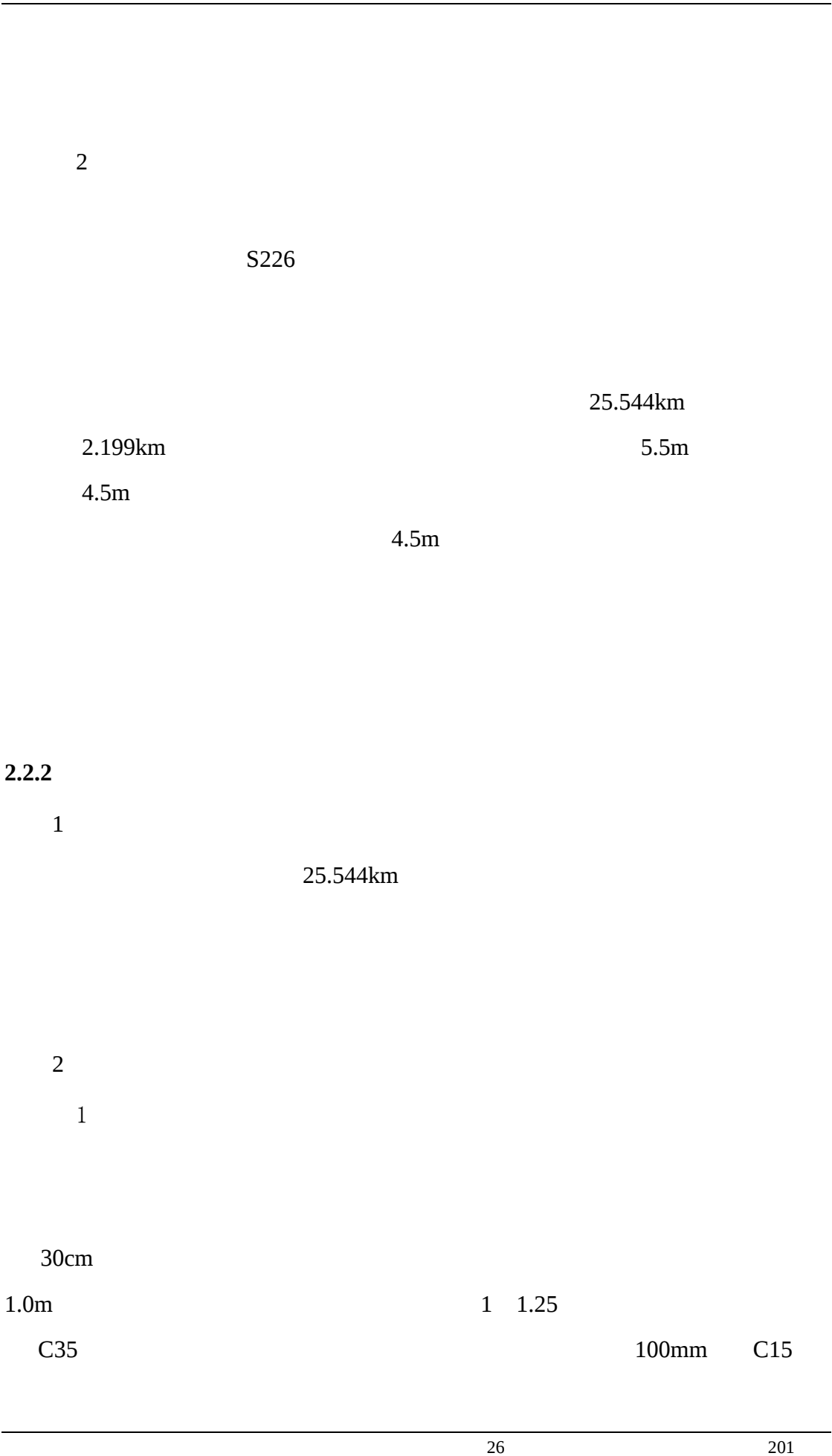
	35 2MW 70MW
	110kV
	27.734km 5.5m
	1 2
	10kV

2.2

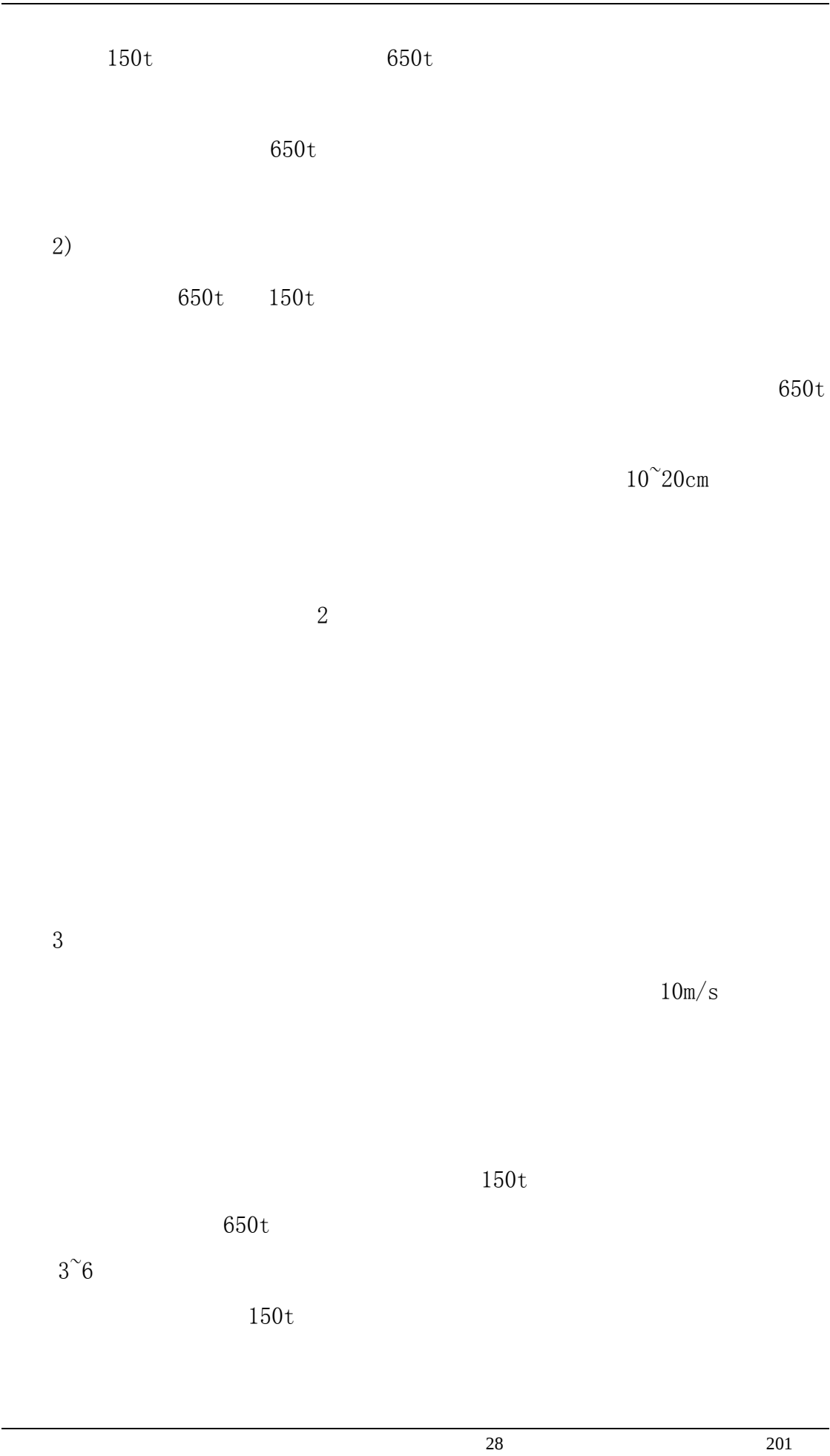
2.2.1

1





	2mm		1.8t/m ³	3cm
2%				
	(		)	
2				
		800mm		
3				
	1	110kV		
		5t		
4				
1)				
		35		
				150t
		650t		
	30cm	650t		



150t

650t

5

1)

2)

30

6

0.8m

0.6m

1 0.3

100mm

2.2.3

1

2500m²

2				
1		1.9 m ³		
	500m ³			
2				
	600m ²	100mm	C10	100mm
	0.5%			
3				
				2500m ²
4				
	500m ²	10		1500m ²
2.2.4				
	47.96hm ²	1.50hm ²		46.46hm ²
2.2-1				
30			201	

2.2-1

 hm^2

占地性质	项目组成	小计	林地	交通运输用地
永久占地	风电机组基础	0.99	0.99	
	箱式变基础	0.07	0.07	
临时占地				
	施工便道	1.25		
	施工营地	5.14		
	材料堆场	50.37		2.55
	拌合站	3.33		
	预制场	1.33		
	施工便桥	2.43		
	弃渣场	2.42		
	施工区	45.46		2.55
	施工区	43.86		2.55
				总计

2.2.5

66.32 m³

6.70

m ³	26.96	m ³	32.66	m ³	58.27	m ³
----------------	-------	----------------	-------	----------------	-------	----------------

6.70 m³ 21.70 m³ 29.87 m³ 8.05 m³

2.2-2

2.2-2

$$m^3$$

挖方				填方												调出		余方	
来源	表土	去向	土石方	去向	小计	表土	土方	石方	小计	表土	土方	石方	小计	表土	土方	石方	表土		
5		4.35	弃渣场	1	风机场区	安装场地	11.66	0.76	5.07	5.83	8.18	1.63	2.62	3.93	7.31	0.76	2.62	3.93	0.87
5		0.53		2		风电机组	3.99	0.19	1.81	1.99	3.51	0.24	1.31	1.96	3.46	0.19	1.31	1.96	0.05
		0.07		3		箱式变	0.11	0.00	0.05	0.06	0.04	0.00	0.01	0.03	0.04	0.00	0.01	0.03	
		4.95		小计	15.76	0.95	6.93	7.88	11.73	1.87	3.94	5.92	10.81	0.95	3.94	5.92	0.92		
		0.53		4	110KV 升压站	2.03	0.07	0.94	1.02	1.50	0.07	0.57	0.86	1.50	0.07	0.57	0.86		
38	5.7	1.68		85	2.52	风电机组	11.66	0.76	5.07	5.83	8.18	1.63	2.62	3.93	7.31	0.76	2.62	3.93	0.87
0.15	0.14	0.14				施工临时设施	0.50	0.13	0.14	0.28	0.05	0.30	0.39	0.05	0.14	0.28	0.50		
0.30	0.00	0.00				弃渣场	0.30	0.00	0.00	0.30	0.00	0.00	0.30	0.00	0.00	0.00	0.30		
4.00	21.7	20.87		1.82	0	总计	合计	66.32	6.93	36.96	42.66	52.27	6.93	21.7	20.87	36.96			

2.2.6

35

12

8

2.2.7

12

4

8

4

3

3.1

1

2

2016

84.38

3

15241

330

5.030

11.12

0.98

977

342.3

3.2.2

1					
1				20.4	m ³
	1.74km ²			14.99	m ³
			0.069km ²		1.671km ²
2				12	m ³
m ³	0.58km ²		0.059km ²		8.62
					0.521km ²
3					
	14#	32#	33#	34#	4

400m

1.6-1

2

3.3

3.3.1

500

3.3.2

，
，
，

3.3.3

3.4

₁₋₃1081B04

₁₋₃1081B05

₁₋₃1081B06 3

3.4.1

1 ₁₋₃1081B04

1

77.77km² 2.3

80%

50% 75%

50%

3

2

2 1-31081B05

1

85. 15km^2

85.15km² 3.4

22.9
76

18.7

57.2

2

3

COD

25

3

₁₋₃1081B06

1

31.41 km²

1

2

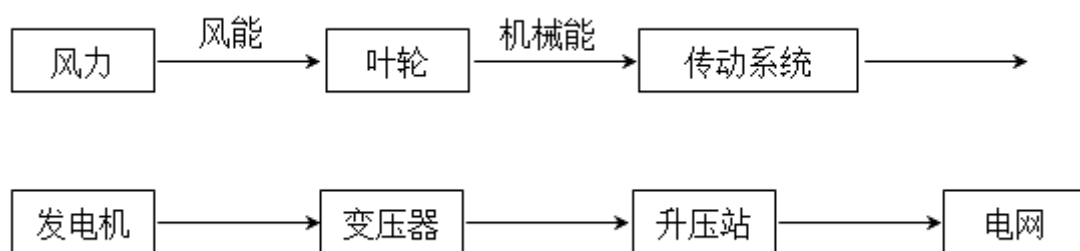
100%

3

3.4.2

4

4.1



4. 1-1

4.2

4.2.1

1

2

3

4

5

4.2.2

1

2

3

4

5

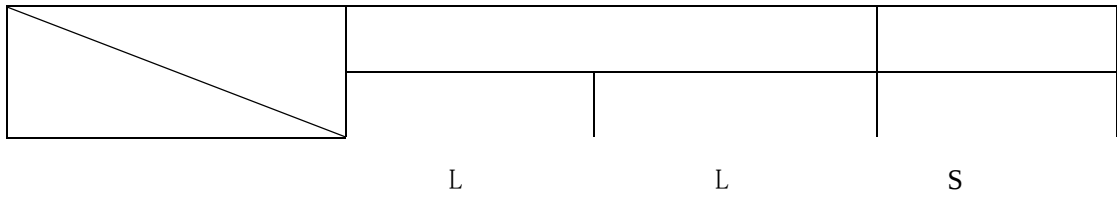
6

35kV

110kV

18

4.2-1



COD_{Cr} NH₃-H SS

COD_{Cr} 350mg/L NH₃-H 30mg/L

100 /d 0.1m³/d 80%

8m³/d

(2)

1m³/h

COD_{Cr} 20mg/L COD_{Cr}

150mg/L COD_{Cr} 0.0483kg/d 3.6kg/d

1.9 m³ 45m³/h

SS pH(9~12)

0.1m³

1.5 0.25 m³

4.3.2

TSP NO₂

4.3.3

95dB

70 90dB

4.3-1

4.3-1

	5m	10m		5m	10m
	82~90	78~86		92~100	86~94
	80~86	75~83		100~110	95~105

	90~95	85~91		70~75	68~73
	83~88	80~85		88~92	83~87
	95~102	90~98		88~95	84~90
	80~90	76~86		85~90	82~84
	82~90	78~86		80~88	75~84
	93~99	90~95		90~96	84~90
	100~105	95~99		88~92	83~88

X804

0.5kg

100m 85dB

4.3.4

(1)

8.05 m³

(2)

0.5kg/

0.05t/d

4.4

4.4.1

COD_{Cr} NH₃-N BOD₅ SS

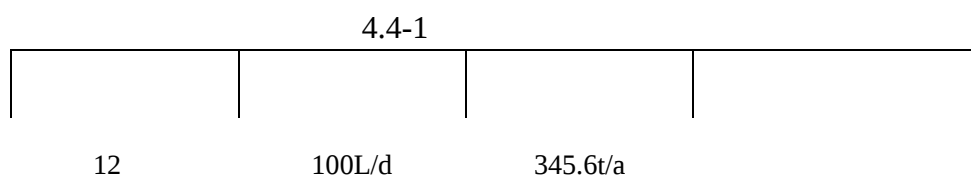
12 100L/d 360d

432 m³/a 0.8

345.6m³/a COD_{Cr} SS

350 mg/L 250 mg/L 30 mg/L COD_{Cr} 0.12

t/a SS 0.09t/a 0.01 t/a 4.4-1



GB-T18920-2002

4.5.2

25.544km

X804

2.199km

200

2

4.5.3

350m

4.5.4

8.05 m³

3

4.5-1

5

4.5-1

		土地利用	面积	堆渣量	容量
1102	10	10号风机电西侧约50m处山脊	耕地	0.50	1.65
3581	20	35号风机电南侧约200处山脊	林地	0.50	3.28
5.13	50	24号风机电北侧约160处山脊	林地	1.02	4.65
10.66	合计			2.42	9.58

300

5.1

5.1.1

28 12 45 28 32 05

NE-SW 250m

560m S226

10 km 1

5.1.2

	136d	80%
17.3	252d	1861.1h
1270.2mm	104.8 /	1649.6mm
169d	3-6 8-9	

5 1

5.1.3

6253.9	m ³	4916.3	m ³	3
16		331		

693.05 km²

59.1%

109.53 km² 70.64%
51 km²
170 km²

14# 32# 33# 34# 4

400m

20.4 m³
14.99 m³ 1.74km² 0.069km²
1.671km² 12 m³ 8.62
m³ 0.58km² 0.059km² 0.521

18306

5.2

5.2.1

	926km ²	1079 km ²	170	
317km	155 km ²			104
		300km		
	2014	121.8		2014
	802.22	7.6%		66065
7.0%		58.31		2.0%
	365.28	7.7%		378.62
	8.3%	7.6 46.2 46.2		7.3 45.5
47.2		87.71		11.6%
	47.84	9.1%		
41225	8.5%			21786
10.7%				

5.2.2

1469	12	1994		
		34.7 km ²		25km
	11km	45km	2001 2	14

19	15.8	2.71
6.8		
2014	16.44	9.38
23.1	40.23	20.9%
25535	10.5%	1
7		
5.2.3		
	109.29 km ²	76
75764	2013	1.1458
6029.3	25.8	17.5
	32.25	8.82
	14896	11
5.2.4		
		34.45 km ²
1	26286	1.61
		8000
		2013
		14.31
		15.2
	2165.3	965.5
		29.2
25.9	14150	10.9

		0.102	0.107	0.111	0.106	0.2
		3.4	3.3	3.5	3.4	20
		0.04	0.04	0.04	0.04	0.05
		5.5	5.3	5.2	5.2	5
3#	pH	7.48	7.50	7.49	7.50	6~9
		4.2	4.3	4.2	4.2	6
		0.613	0.619	0.625	0.613	1.0
		10	9	11	8	/
		0.102	0.101	0.107	0.107	0.2
		3.5	3.3	3.5	3.3	20
		0.05	0.04	0.04	0.04	0.05
		5.4	5.6	5.6	5.6	5

6

6.1-1

III

6.2

1

2

SO₂ NO₂ TSP PM₁₀

3

2015 12 2 ~8 7 SO₂ NO₂ 4 TSP

PM₁₀

4

6.2-1

6.2-1

1			HJ 482-2009
2			HJ 479-2009

3	PM10		HJ 618-2011
4	TSP		GB/T 15432-1995

5

SO₂ 0.018-0.038mg/m³ NO₂
0.032-0.049mg/m³ TSP 0.213~0.294mg/m³
PM₁₀ 0.081-0.090mg/m³

6.2-2

mg/m3

			mg/m3							
			12 2	12 3	12 4	12 5	12 6	12 7	12 8	
1#		02	0.035	0.022	0.033	0.035	0.032	0.037	0.034	0.2
		08	0.028	0.023	0.021	0.031	0.030	0.023	0.027	
		14	0.024	0.018	0.028	0.026	0.033	0.027	0.024	
		20	0.030	0.027	0.026	0.026	0.018	0.030	0.025	
		02	0.031	0.032	0.036	0.039	0.043	0.035	0.033	0.5
		08	0.032	0.035	0.031	0.044	0.037	0.034	0.034	
		14	0.034	0.032	0.032	0.041	0.036	0.041	0.035	
		20	0.035	0.031	0.033	0.039	0.041	0.045	0.032	
	PM ₁₀		0.102	0.103	0.104	0.100	0.104	0.104	0.093	0.15
	TSP		0.276	0.257	0.287	0.234	0.273	0.269	0.273	0.30
2#		02	0.028	0.030	0.038	0.038	0.035	0.037	0.036	0.2
		08	0.023	0.023	0.027	0.023	0.030	0.027	0.030	
		14	0.026	0.024	0.031	0.028	0.024	0.022	0.027	
		20	0.020	0.027	0.025	0.025	0.028	0.030	0.022	
		02	0.037	0.044	0.039	0.038	0.043	0.035	0.033	0.5
		08	0.041	0.043	0.041	0.035	0.042	0.031	0.032	
		14	0.041	0.047	0.038	0.041	0.039	0.031	0.041	
		20	0.038	0.046	0.045	0.045	0.037	0.034	0.032	
	PM ₁₀		0.096	0.104	0.098	0.096	0.098	0.098	0.088	0.15
	TSP		0.261	0.287	0.291	0.268	0.278	0.277	0.234	0.30

6.2-3

			m/s		kPa	
2015. 12. 02	02 00	N	1. 14	8. 0	101. 2	
	08 00	N	1. 21	10. 2	101. 2	
	14 00	N	1. 24	14. 2	101. 2	
	20 00	N	1. 10	7. 2	101. 2	
2015. 12. 03	02 00	N	1. 32	7. 4	101. 2	
	08 00	N	1. 14	11. 6	101. 2	
	14 00	N	1. 23	12. 7	101. 2	
	20 00	N	1. 12	8. 1	101. 2	
2015. 12. 04	02 00	N	1. 14	7. 6	101. 2	
	08 00	N	1. 26	12. 6	101. 2	
	14 00	N	1. 23	14. 5	101. 2	
	20 00	N	1. 22	8. 4	101. 2	
2015. 12. 05	02 00	N	1. 21	8. 2	101. 2	
	08 00	N	1. 24	12. 3	101. 2	
	14 00	N	1. 30	13. 4	101. 2	
	20 00	N	1. 32	7. 9	101. 2	
2015. 12. 06	02 00	N	1. 24	7. 8	101. 2	
	08 00	N	1. 24	11. 6	101. 2	

0.057%

10~20cm

6.4.2

70%

6.4.3

40

27

19

35

100

2001

500

6.4.4

1.50hm²

42.91hm²

926km²

44.41hm²

98.8%

56

201

7

7.1

7.1.1

1

0.25 m³

COD_{Cr} SS

(GB/T18920-2002)

2

COD_{Cr}

BOD₅

8m³

1

1

1

7.1.2

1

60%

4 5

70%

4 5 /d

TSP

20 50m

200

2

200

2

110kV

1000m

2

7.1.3

1

7.1-1

7.1-1

	5m	10m		5m	10m
	82~90	78~86		92~100	86~94
	80~86	75~83		100~110	95~105
	90~95	85~91		70~75	68~73
	83~88	80~85		88~92	83~87
	95~102	90~98		88~95	84~90
	80~90	76~86		85~90	82~84
	82~90	78~86		80~88	75~84
	93~99	90~95		90~96	84~90

7.1-2

	[dB(A)]	[dB(A)]								
		20	50	100	150	200	300	400	600	1000
		(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
	85	58.8	50.5	44	40	37	32.5	29	23.4	15
	90	63.8	55.5	49	45	42	37.5	34	28.4	20
	86	59.8	51.5	45	41	38	33.5	30	24.4	16
	100	73.8	65.5	59	55	52	47.5	44	38.4	30
	79	52.8	44.5	38	34	31	26.5	23	17.4	9
	86	59.8	51.5	45	41	38	33.5	30	24.4	16
	105	78.8	70.5	64	60	57	52.5	49	43.4	35

7.1-2 100m 70dB 300m

55dB

376m 1096m

3

100m

100dB

4

25.544km

2.199km 200 2 200

2

7.1.4

1

0.05t/d

2

8.05 m³

3

7.1.5

1

2

3

47.96hm²

1.50hm²

46.46hm²

25.544km

2.199km

4

8.05 m³

3

5

7.1-4

序号	位置	土地利用	面积	堆渣量	容量
102	10	12号风机西侧约50m处山脊	林地	0.50	1.65
381	20	38号风机西南侧约200处山脊	林地	0.50	3.28
513	30	24号风机东北侧约100处山脊	林地	1.02	4.65
1066	合计			2.42	9.58

300

7.2

7.2.1

12

345.6m³/a

7.2.2

1

$$L_{A\alpha}=L_w-20lgr_0+DI_{\alpha}-8$$

	$L_{A\alpha}$		r_0	A
L_w		A	103dB	A

DI_{α}

$$L_p = 10 \lg(\sum_{i=1}^n 10^{0.1 L_{pi}})$$

$L_p \qquad \qquad \qquad \text{dB}$

$L_{pi} \quad I \qquad \qquad \qquad \text{dB}$

$DI_{\alpha} \qquad \qquad \qquad 7.2-1$

7.2-1		DI_{α}							
	$=0^{\circ}$					$=180^{\circ}$			
	0	30	45	60	90	120	135	150	180
	0	-0.7	-2.1	-4.3	-8.9	-5.3	-3.5	-2.4	-2
	0	-0.6	-2.1	-4.2	-8.3	-5.2	-3.5	-2.4	-2
	0	-0.5	-1.9	-4.0	-8.1	-5.0	-3.3	-2.3	-2
DI_{α}	0	-0.6	-2.0	-4.1	-8.5	-5.1	-3.4	-2.3	-2

103m

r_0

7.2-2

7.2-2		dB(A)							
$r_0(m)$	0	30	45	60	90	120	135	150	180
110	54.2	53.6	52.2	50.1	45.7	49.1	50.8	51.9	52.2
200	49	48.4	47	44.9	40.5	43.9	45.6	46.7	47

300	45.5	44.9	43.5	41.4	37	40.4	42.1	43.2	43.5
400	43	42.4	41	38.9	34.5	37.9	39.6	40.7	41
376	1								
		43.3	42.7	41.3	39.2	34.8	38.2	39.9	41.0
558	40	39.4	38.0	35.9	31.5	34.9	36.6	37.7	38.0

300m46

dB A1

39.9 dB A

7.2-3

7.2-3dB A

1		42.1	51.5	44.4	52.0	46.4	1	1.4dB

1

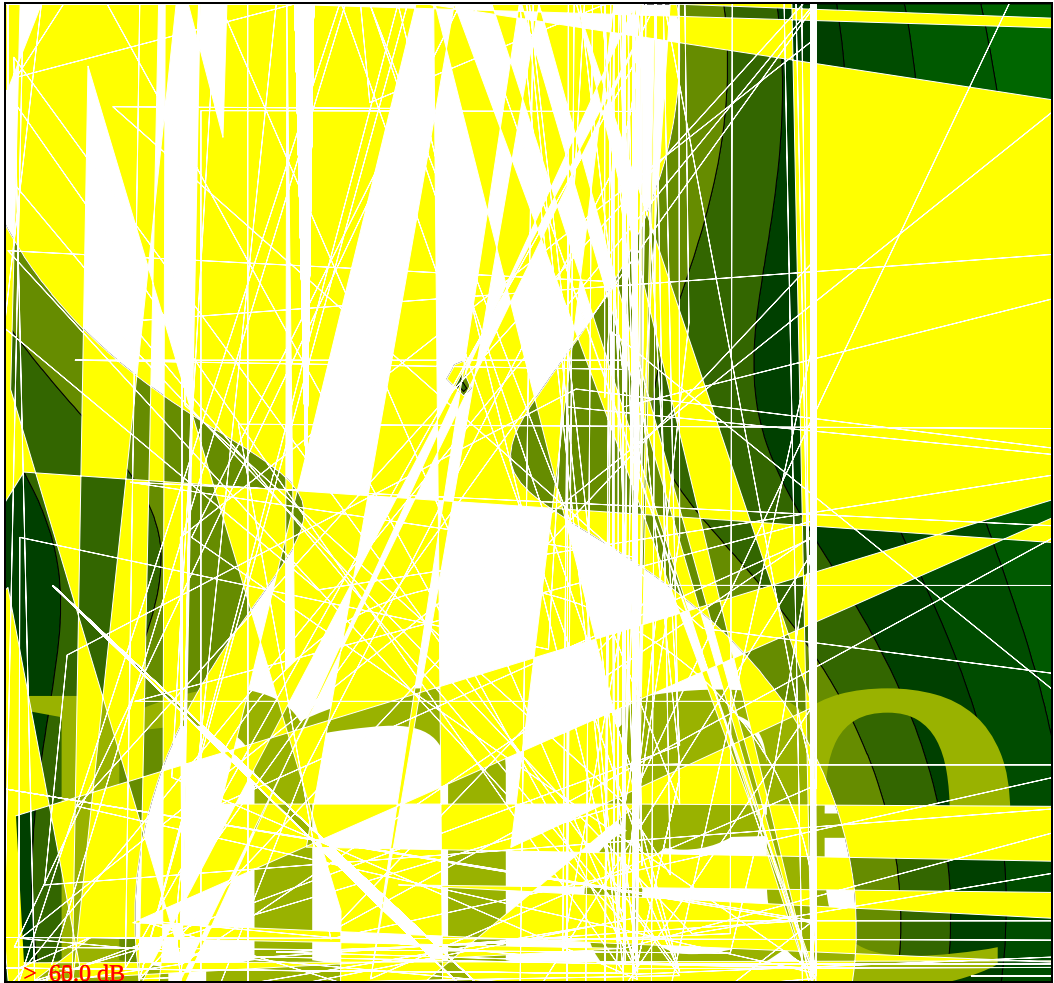
42.1dB1

1.4dB 155 45dB

18# 35#

300m

18# 35#



7.2-1

2

110kV

110kV 1

$$L_A = -0.2807 \ln x + 54.806$$

7.2-4

7.2-4

x m	L _A dB A
1	54.8
5	54.4
10	54.2
15	54.0

14373BLanξ

0.1%~0.01%

3m/s

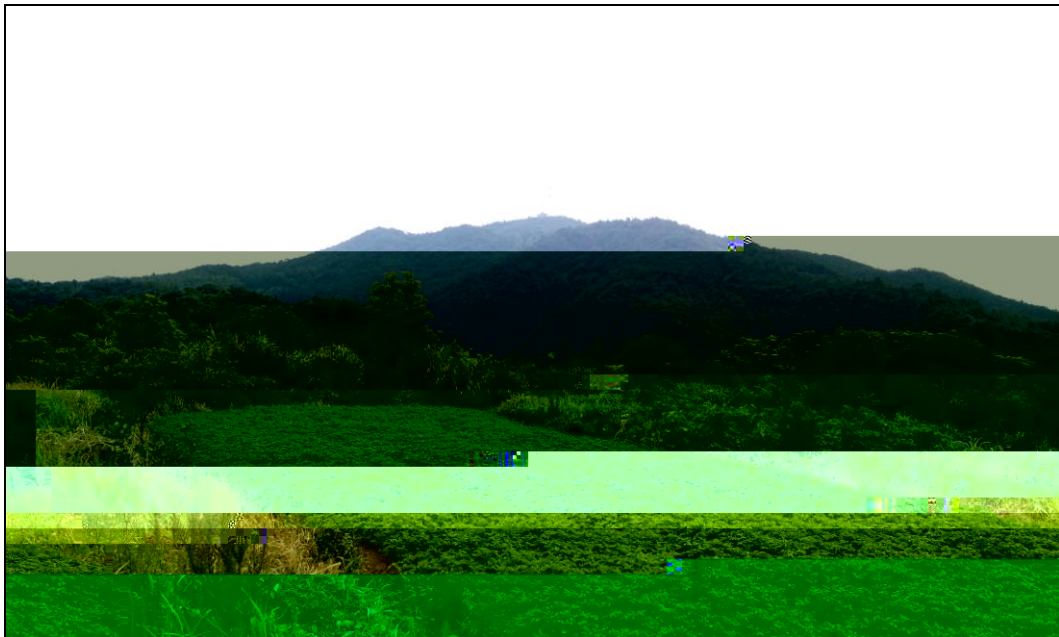
350m

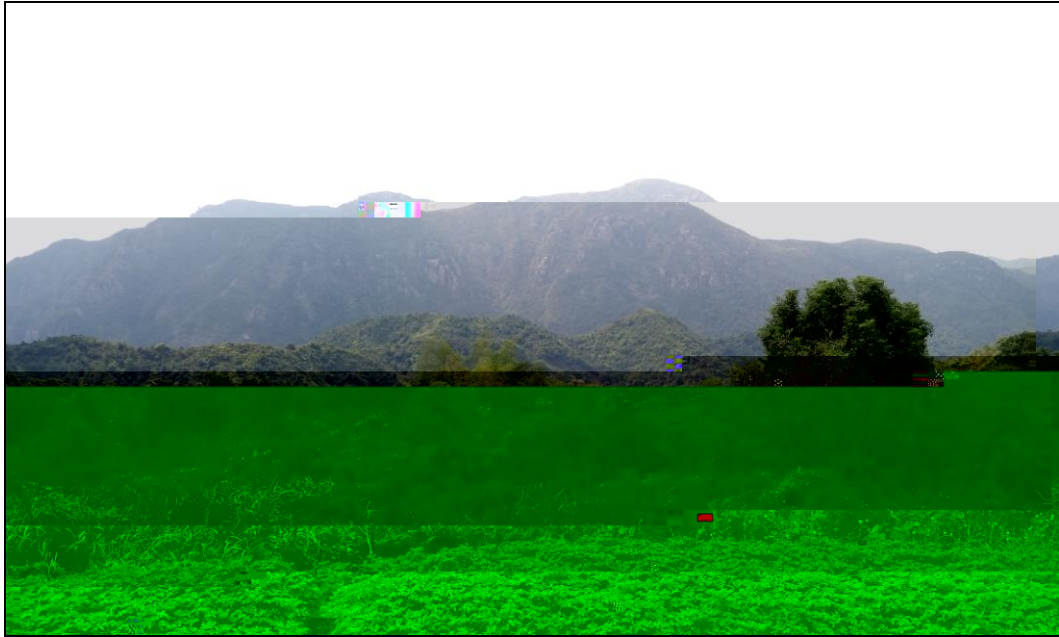
7.2.3.2

1

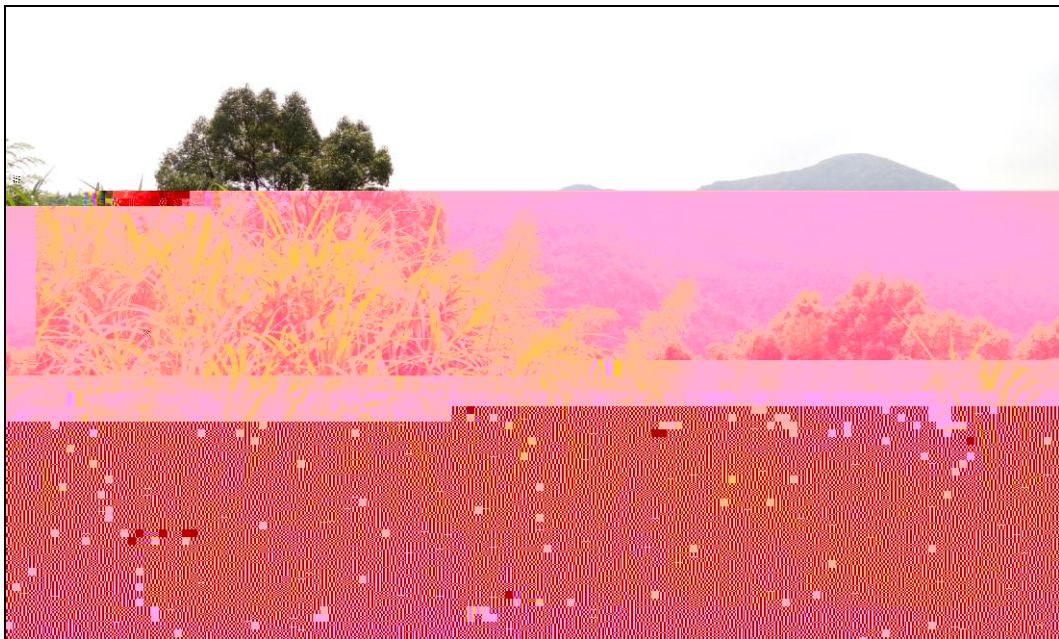
—

250m 560m





7.2-1



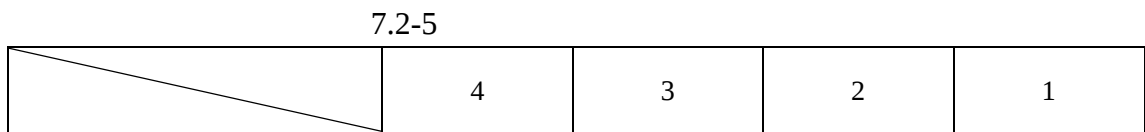
7.2-2



7.2-3

2

7.2-5



22

25

80m

103m

132m

250-560m

10

15

—

0

2003

/



7.2-4

20

30



7.2-5

20

8

10

76

7.2-6

2

7.2-4

2

7.2.4

4.38 /

8

8.1

(1)

(2)

8.2

8.2.1

1

SO₂ NO_x

2

8.2.2

14# 32# 33# 34# 4

400m 8#~10# 15# 18# 35#

1667m

8.3

1

JT3130-88

GB13392-92

2

3

5

6

7

8

9

10

8.4

8.4.1

24

8.4.2

8#~10# 14# 15# 18# 32# 33# 34#

35#

1

2

8.4.3

SS

3

50cm

4

8#~10# 14# 15# 18#

32# 33# 34#

9.1.2

1

1 4 5

2

200m

3

4

9.1.3

()
90dB(A)

9.1.4

9.1.5

1

9.3

2

3

	1750	1750
0.05hm ²	0.16hm ²	0.21hm ²
6.90hm ²	23260	23260
2875	2875	2.30hm ²

4

(1)

(2)

(3)

(4)

(5)

(6)

9.1.6

0.8m

0.6m

1

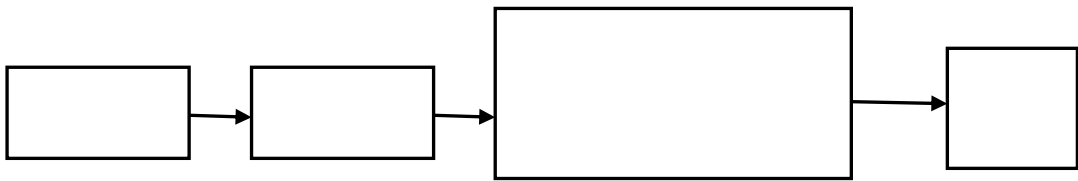
2

3

4

9.2

9.2.1



9.2-1

9.2.2

7.2.2 1

42.1dB 1

1.4dB 1 55 45dB

1 18# 35#

2

9.2.3

9.3

1			12.35hm ²		0.95 m ³
	6.03hm ²	1.05 m ³		1750m	35
		5.24hm ²	1750		1750
	5.33hm ²		19250m ²		2800m
2			0.66hm ²		0.07 m ³
	0.16hm ²	0.07 m ³		280m	1
		0.05hm ²	0.16hm ²		0.21hm ²
	160m				
3			69.76hm ²		5.23 m ³
	3.33 m ³		23260m	25	
	23260	23260		9.90hm ²	11.06hm ²
		23500m			
4			3.44hm ²		0.38 m ³
	2.30hm ²	1.21 m ³	250m	1285m	
	2875	2875		2.30hm ²	2.30hm ²
5			6.51hm ²		0.15 m ³
	1.00hm ²	0.30 m ³		4910	4910
	3.93hm ²		3.93hm ²		1720m
10			3400m		

10

10.1

10.1.2

1

2

(1)

(2)

10.1.3

1

2

10.2

10.2.1

166

10.2.2

10.2.3

1

(1)

(2)

2

(1)

(2)

(3)

(4)

(5)

(6)

10.3

10.3.1

10.3.2

10.3-1

10.3-2

10.3.3

5

15

20

10.3.4

10.3-1

		PM ₁₀	1 /1	2				
		pH	1 /1	2				

10.3-2

		pH	DO BOD ₅	/		
		L _{Aeq}	/			
			/			

10.4

10.4-1

10.4-1

()		

()		
()		
	200 A	GB3096-2008 GB12348-2008 GB12523-2011

11

11.1

11.1-1

163

60310.79 0.27%

11.1-1

		()
		28
1		8
2		
		5
1		5

70MW

3

15241

330

5.030

12

12.1

12.2

1

				2015	11	22	12	4
2015	12	21	2016	1	4			

2

12.3

20 51 20

51 100%

12.3-1

12.3-2 12.3-3

12.3-1

12.3-2

12.4

12.4.1

20 12.4-1

12.4-1

				(%)
1			11	55
			8	40
			1	5
2			11	55
			9	45
			0	0
3			9	45
			11	55
			0	0
4			9	45
			5	25
			3	15
			8	40
			3	15
5			14	70
			6	30
			0	0
6			9	45
			11	55

10%

90%

10%

12.4.2

51

12.4-2

12.4-2

				(%)
1			35	68.6
			15	29.4
			1	2.0
2			33	64.7
			18	35.3
			0	0
3			37	72.5
			13	25.5
			1	2.0
4			5	9.8
			16	31.4
			2	3.9
			26	51.0
			5	9.8
5			39	76.5
			12	23.5
			0	0
6			21	41.2
			29	56.9
			1	2.0
7			7	13.7
			12	23.5
			3	5.9
			26	51.0
			9	17.6
8			2	3.9
			30	58.8
			4	7.8
			10	19.6
			9	17.6
9			44	86.3
			0	0

			7	13.7
10			28	54.9
			10	19.6
			13	25.5

12.4-2				
68.6%		29.4%		2.0%
64.7%				35.3%
72.5%			25.5%	
2.0%				
51.0%				31.4%
	9.8%			3.9%
76.5 %				23.5%
41.2%				56.9%
	2.0%			
51.0%				23.5%
		17.6%		13.7%
	5.9%			
58.8%				19.6%
		17.6%		7.8%
	3.9%			
		86.3%		13.7%

12.5

13

13.1

13.1.1

₁₋₃1081B04

₁₋₃1081B05

₁₋₃1081B06

3

13.1.2

13.1.3

2012 10

13.1.4

13.1.5

13.1.6

13.1.7

13.1.8

20

50

13.2

13.2.1

500

13.2.2

(2011) () ()

() 2

13.2.3

14

14.1

10km

2000kW 35 70MW

35 70MW

70MW

110kV

- 35

35

2MW 70MW

70MW

250m 560m

13# 450m

450m

25.554km 2.199km

2.199km

5.5m 4.5m

4.5m

4.5m

60310.79

14.2

14.2.1

III

14.2.2

GB3095-2012

14.2.3

9

(GB3096-2008) 1

14.3

14.3.1

1

(GB/T18920-2002)

2

3

4

5

25.554km

14.3.2

1

2

300m

46 dB A

2

39.9 dB A

1

42.1dB

1

1.4dB 1

55 45dB

18#		35#	
300m			
		18#	35#
6			
5m	54.4dB	A	27m
53.5dB	35m	53.2dB	
	GB12348-2008	1	8.2~9.4dB
A	54m		43.3dB
	1		
		200m	
		1096m	
3			
HJ/T 6-94			

109

201

4

76

2

4

GB 18597-2001

14.4

14.4-1

14.4-1

		/		/
		3		
		6m ³ 35	6m ³	25
		/		/
				/
				/

14.5

163

60310.79

0.27%

14.6