
220kV **110kV**

()

1

—

30 (

)

2

—

3

—

4

—

5

—

6

—

7

—

8

—

..... 1

..... 14

..... 17

..... 20

..... 22

..... 26

..... 27

..... 35

..... 36

1

2 110kV

3 220kV 110kV

4

5

6

1

2

3

4

5

	220kV		110kV	
	42			
	13877686635		/	533000
				2018-451002-44-02-004872
				2018 14
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D4420
()	/		()	/
	16207		58	0.36%
()	—			2019 3

1

1

"

"

3

110kV

3 110kV

220kV

~

~ 2 110kV

2016

103MW

"

"

2018

110kV

432MW 2016

4 2020 110kV

864MW

2018

220kV

110kV

110kV

648MVA

1.3 2020

0.6

110kV

"

"

220kV

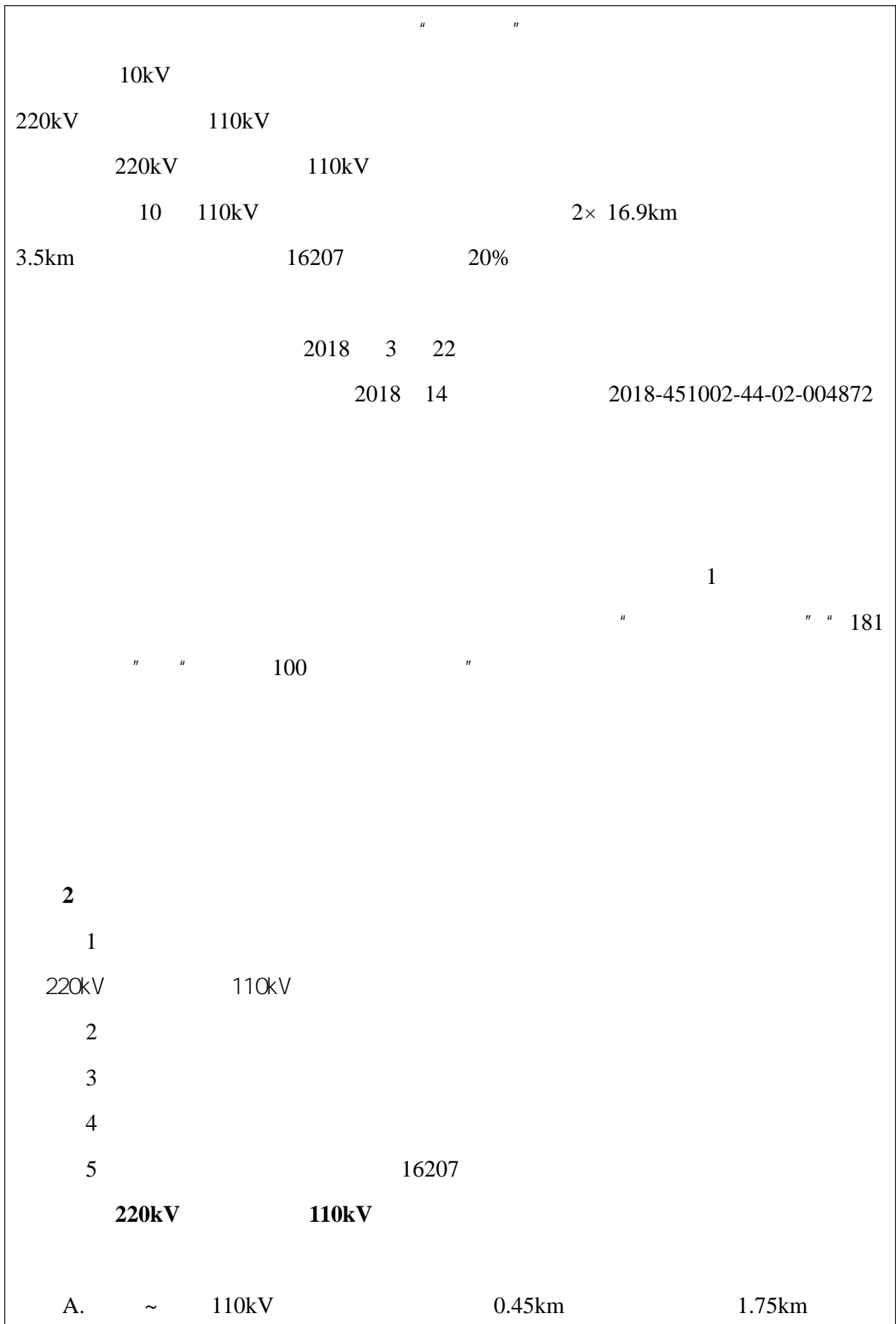
110kV

2018

3.1 2020

2

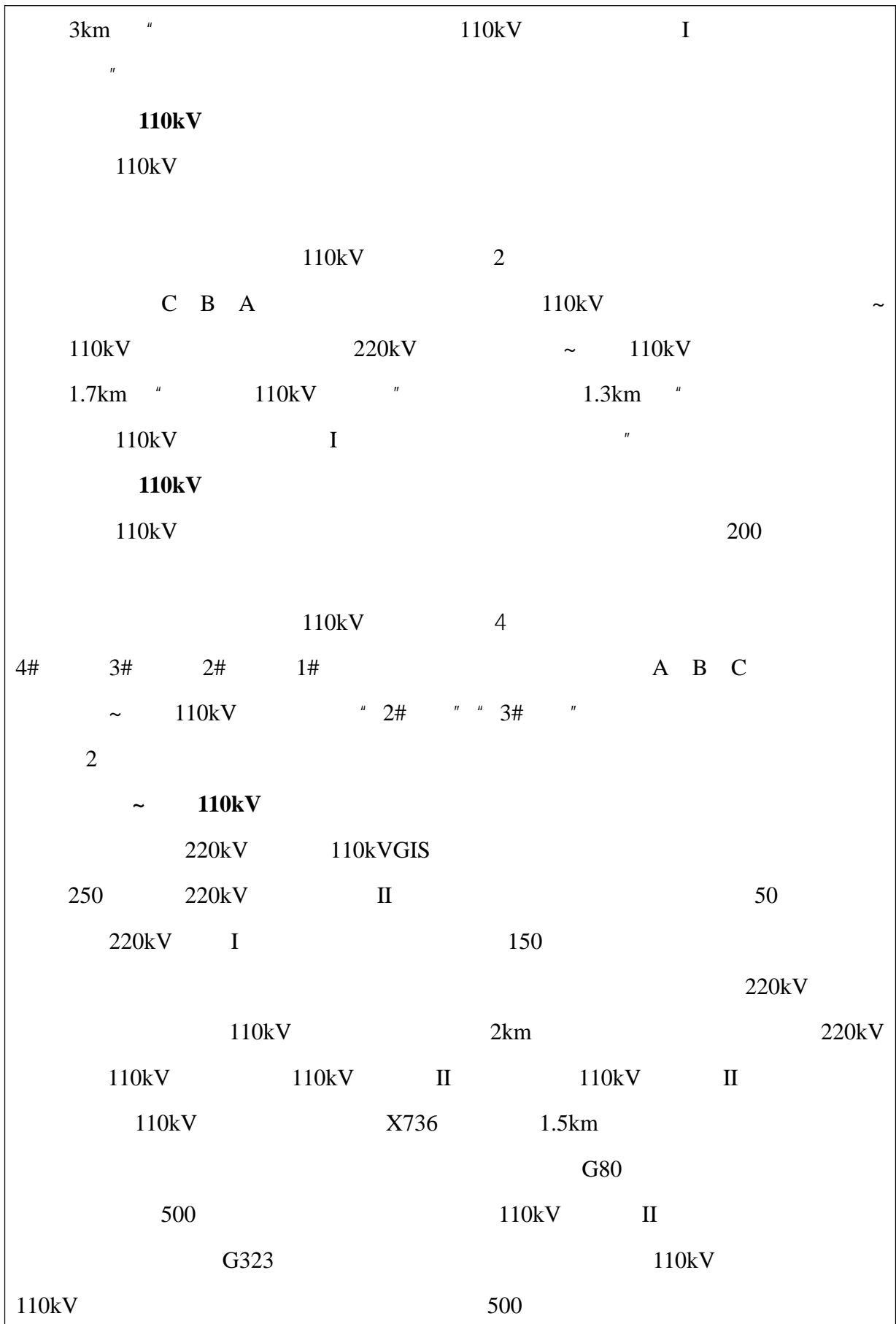
Q/GDW156-2006



	8.6km			2× 10.8km	
B.	~	110kV		0.45km	1.55km
		2× 2km			
C.	~	110kV		0.45km	1.65km
		2× 2.1km			
D.	~	110kV		0.45km	1.55km
		2× 2km			
E.	~	T	220kV	110kV	0.25km
	0.75km		1.0km		2km
F.	~	T	220kV	110kV	0.25km
	0.25km		1.0km		1.5km
			1.0km	2.0km	6.5km
	8.6km	4.1km			
A.	~			1 OPGW-24	11.2km
	12.1km				
B.	~			2 OPGW-24 ,	2×5.3km
	2×5.7km				
C.	~			1 OPGW-48	5.3km
	5.7km				
D.	~			1 OPGW-24	4.1km
	4.4km				
E.		220kV		2.5km	110kV
	0.5km	110kV		1km	
1-1					
1	~		2km	-	220kV
	110kV			1	
			2× 10.8km	OPGW-24	2.5km
			300mm ²	11.2km	
				12.1km	110kV

	~			-		
2	110kV		G80		2	0.5km
			G23#	OPGW-24	,	110kV
			2×	2km	2×	5.3km
		300mm ²			2×	5.7km
						1km
	~		G80			
3	110kV		G23#			
			2×			
		2.1km				

		220kV	220kV	12		10
2	110kV	GIS	16		110kV GIS	
		110kV				10
		SJ4	STJ261			
	110kV					
	110kV				G323	300
		110kV		8	7	1
7						
	1				C B A	
		3	"	"	"	"
"	"	"				
	~	110kV				
			JC4			
	110kV					
	110kV				X736	X736
200						
		110kV		5	3	2
3					I	2
		2 3	"	I" "	"	"
"	"					
	-	110kV				



300				220kV	110kV
	2× 10.8km	1.95		150-250	
	~ 110kV				
	220kV	110kV GIS			
250	220kV	II		50	
220kV	I		150		
				220kV	110kV
	110kV	110kV	II	G80	110kV
110kV	110kV		"		110kV
	I		" G23#		110kV
	"			110kV	I
	" G23#		2× 2.0km	1.15	
150-250					
	~ 110kV				
	220kV	110kV GIS			
250	220kV	II		50	
220kV	I		150		
	~				
220kV	110kV	110kV	110kV	110kV	II
G80	110kV	110kV	110kV		"
	110kV	I			" G23#
	110kV				
	"		110kV		I
	" G23#		2×2.1km	1.20	
150-250					
	~ 110kV				

220kV

110kV

110kV

110kV

II

G80

110kV

110kV

110kV

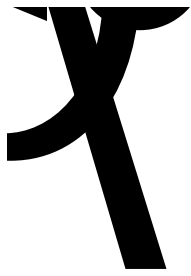
~

110kV

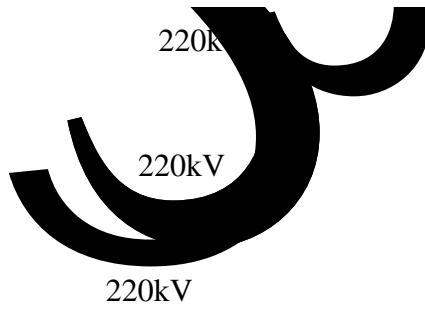
N14

N14#

2



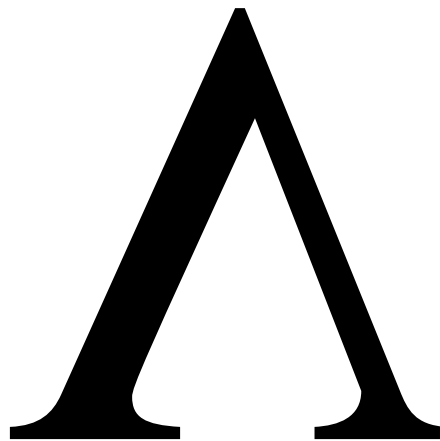
2 110kV
2 110kV
300mm²
2 110kV
300mm²

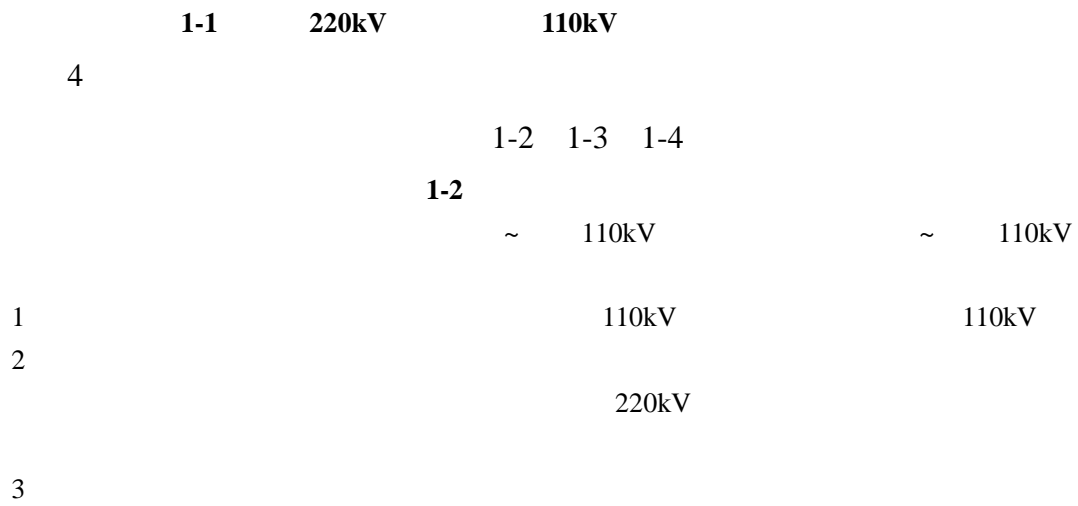


220kV
220kV
220kV
300mm²

2

2 110kV
300mm²
220kV
1 110kV
300mm²

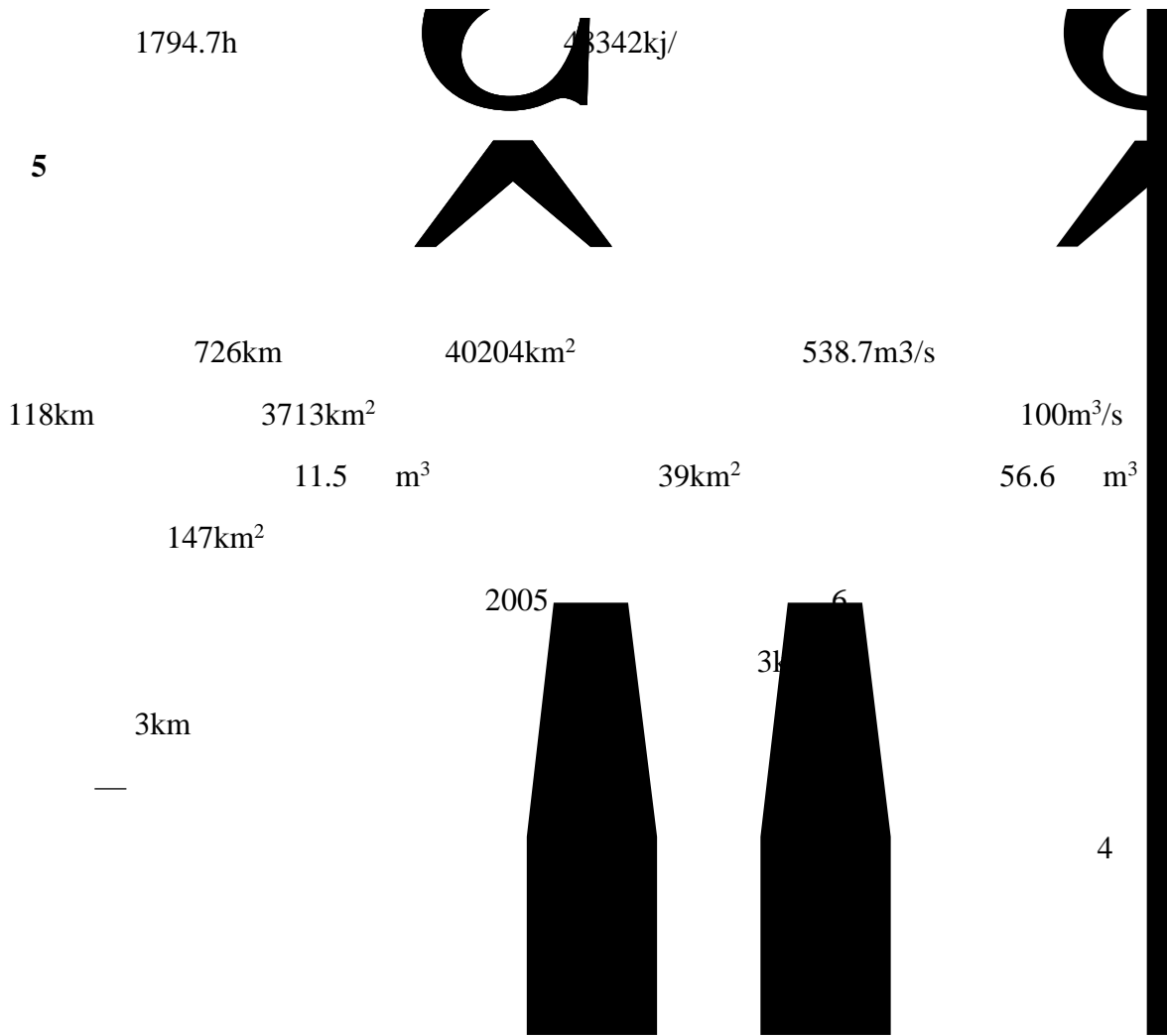




		1-3		
			~ 110kV	~ 110kV
1			110kV	110kV
2			220kV	220kV
			G23#	N14
3	km		2×2.1	2×2.0
			1.20	1.30
	m		150~250	150~250
			9	11
4	m		132	129
			8	7
	m		194	194
			JL/G1A-3	
5				

1		110kV	110kV
2		N23	T
		220kV	220kV
3	km	2.0	1.5
		1.39	1.59
	m	150~250	150~250
		8	6
4	m	194	179
		7	6
	m	219	179
		JL/G1A-240/30	
5		JLB20A-100	
		YJLW02-Z	
		64/110kV1×800	
6		U70BP 70CN	
	m/s	27	
7	mm	5	
8		VII	
9		71	
10		e	
		0%	0%
11		67%	64%
		33%	36%
		0%	0%
		10%	10%
		0%	0%
12		20%	20%
		30%	30%
		40%	40%
13			

(



500m

GB3096-2008 2

110kV

2018 8 1 ~8 2

5

3-5

3-6

3-5

3-6

dB(A)

GB3096-2008 2

110kV

2018 8 1 ~8 2

7

3-7

3-8

3-7

3-8

dB(A)

GB3096-2008 2

110kV

2018 8 1 ~8 2

4

3-9

3-10

3-9

3-10

dB(A)

GB3096-2008 2

110kV

2018 8 1 ~8 2

5

3-11

3-12

3-11

3-12

dB(A)

GB3096-2008 2

4

HJ24-2014

220

3-13

E-

B-

3-14

220

4.264 4.473V/m

0.019 0.309T

GB8702-2014

50Hz

4000V/m

100 μ T

5

200m

30m

200m

500m

1

GB3095-2012

4-1

4-1 GB3095-2012

	μg/m ³		
	1	24	
TSP		300	200
SO ₂	500	150	60
NO ₂	200	80	40
PM ₁₀		150	70
PM _{2.5}		75	35

2

GB3838-2002

4-2

4-2 GB3838-2002

1	pH	6~9
2	COD	20
3	BOD ₅	4
4		1
5	SS	30
6		0.05
7	DO	5

pH

mg/L

GB5084-2005

4-3

GB5084-2005

pH

mg/L

	pH	COD _{cr}		BOD ₅	SS
	5.5-8.5	200	4000 /100L	100	100

3

GB3096-2008

2

4-4

4-4

GB3096-2008

dB A

2	60	50
---	----	----

1

(GB16297-1996) 2

4-5

4-5

(GB16297-1996)

		(mg/m ³)
		1.0

2

(GB12523-2011)

4-6

4-6

dB A

70	55

3

GB18599-2001

2013

GB18597-2001

2013

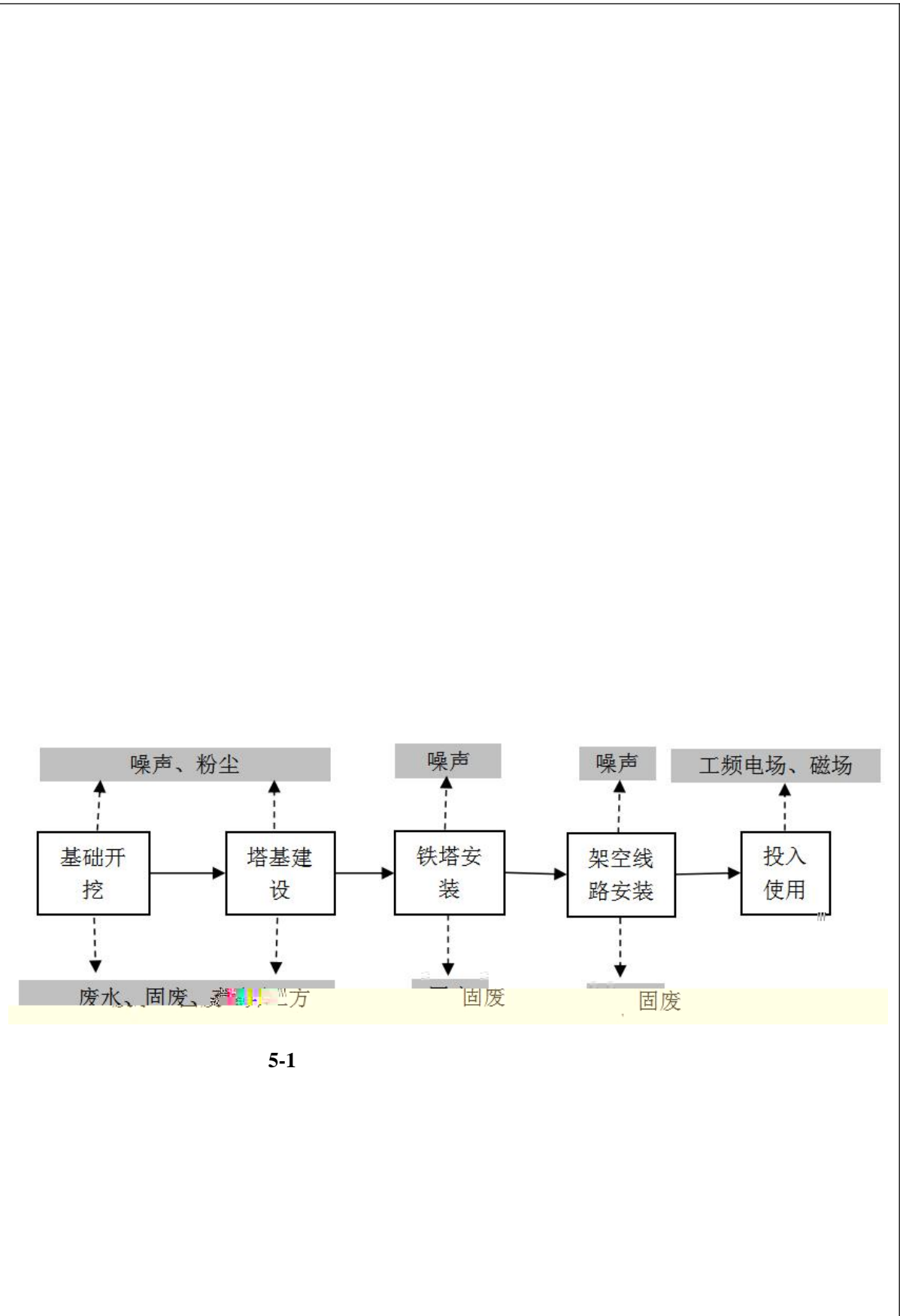
5

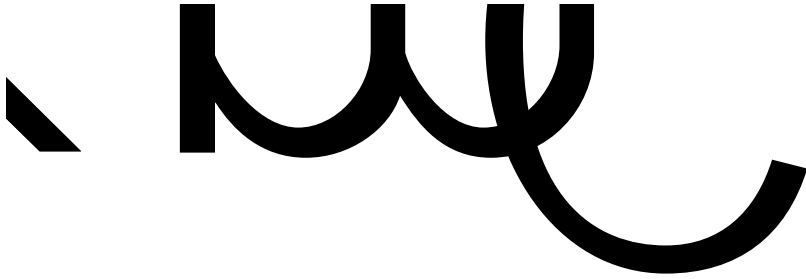
GB8702-2014

0.05kHz

4000V/m

100μT





1

1

1.5~30mg/Nm³

2

30km/h

15.0g/km.

1.33g/km.

1.67g/km.

50m

2

1

20

50L/ ·d

150

1m³/d

0.8

1 t

5-1

5-1

		CODcr	BOD₅	SS	NH₃-N
120m ³	mg/L	300	200	200	25
	t	0.036	0.024	0.024	0.003
	mg/L	200	100	100	20
	t	/	/	/	/

2

3

90dB(A)

1m

80~100dB(A)

5-2

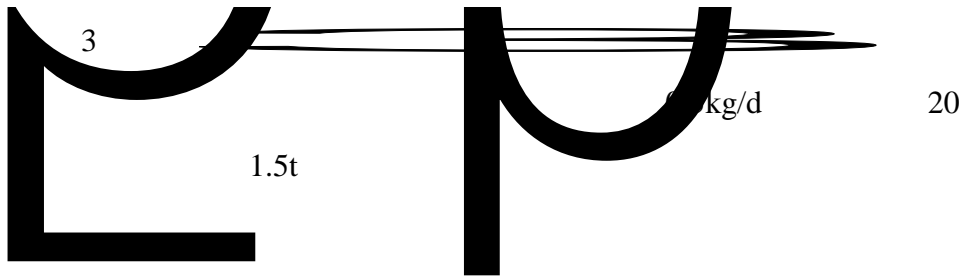
5-2

	dB(A)
1	90~100
2	90~100
3	80~90
4	90~100

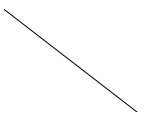
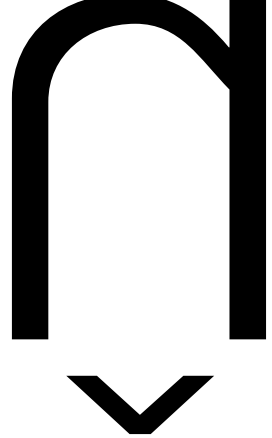
4

1

2



1



CO	NO _x		
SS			0
	120m ³		0
COD _{cr}	300mg/L	0.036t/a	
BOD ₅	200mg/L	0.024t/a	
SS	200mg/L	0.024t/a	
	25mg/L	0.003t/a	
	1.5t		0

1

1

2.4m/s

TSP

1.5 2.3

150m

0 50m

50 100m

100 150m

2

SO₂ NO_x TSP

SO₂ NO_x TSP

2

3

GB12523-2011

4

1

2

0.5kg/d

4t

3

5

1

2

6

1

7-1

7-1

110KV	1.	2.	10m
			10m
220~330KV	1.	2.	15m
			15m
500KV	1.	2.	20m
			20m
± 400KV	/	/	
	/	/	

7-2

220kV		220kV	2×630mm ²	2
		110kV	1×300mm ²	2
		110kV	1×300mm ²	2
		110kV	1×300mm ²	2
		110kV	1×300mm ²	2
~	T	110kV	1×240mm ²	1
~	T	110kV	1×240mm ²	1

GB8702-2014

$4.0 \times 10^3 \text{V/m}$

$100 \mu\text{T}(0.1\text{mT})$

GB8702-2014

$4.0 \times 10^3 \text{V/m}$

$100 \mu\text{T}(0.1\text{mT})$

3

4

5

8

220kV

110kV

9

2011

2013

21

"

"

"

"

2018 14

10

16207

58

0.36%

7-5

7-5

1			2
2			2
3			3
4			1
5			20
			30
			58

11

"

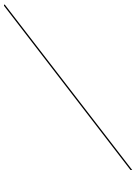
mí t "

2

7-7

7-7

		—			



CO NO₂

THC

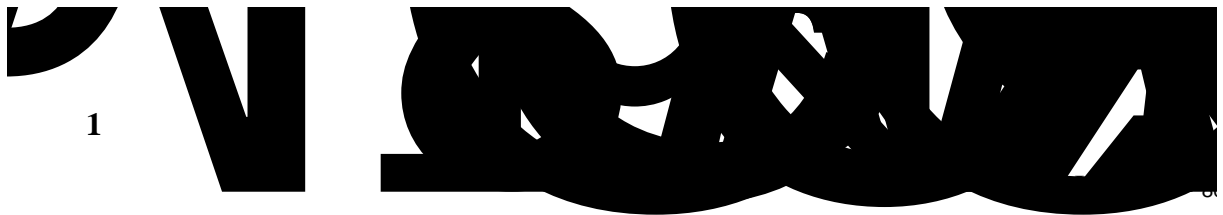
TSP

GB16297-1996

COD_{cr}

BOD₅

SS



1

110kV

10 110kV

2×16.9km

16207

58

2

1

??

PM_{2.5} PM₁₀

GB3095-2012

2

环境空气

(GB3838-2002)

3

GB3096-2008

2

2

3

50m

GB12523-2011

200m

(12:00 14:30)

(22:00 6:00)

5

2

4

5

4

1

GB8702-2014

$4.0 \times 10^3 \text{V/m}$

100 μT (0.1mT)

2

3

4

5

5

16207

58

0.36%

6

220kV

110kV

7

2011

2013

21

"

"

"

"

2018 14

1

2

4

10

“ ”