



2000t/d

м р у м м м п л с

2000t/d

2000t/d

62

88 ° 21 ' 43.82" 88 ° 21 ' 55.51" 29 ° 15 ' 35.82" 29 °
15 ' 20.63" 318 1.7

2000 446400

600000t/a P042.5 240000

40% PC32.5 360000 60%

0.50hm²

59260.00 15076.58

、 " 58

н л м тр

2000t/d

н л м тр

н л м т

р п н л м σ

н л м тт

н л м тт

96.95%

89.16%

0.86

99%

99.50%

11.43%

т

		ف	ق	9
	ی	ش	ی	ق
	ت	9	ی	ق
	2	ه	9	9

1		
2		
2.1		.П.....
2.1.1		.П.....
2.2		.М.М.....
2.3		.М.П.....
3		
3.1		.М.Т.....
3.2		.М.У.....
3.3		.Н.М.....
4		
4.1		.Н.О.....
4.2		.Н.П.....
5		
5.1		.Н.Т.....
5.2		.Н.Ф.....
6		
6.1		.О.О.....
6.2		.О.Р.....
6.3		.О.С.....
6.4		.О.Т.....
6.5		.О.Ф.....

7	
7.1	 п .р
7.2	 р м
7.3	 р .л
8	
8.1	 р .с
8.2	 р ф

1

62

1.7 88 ° 21 ' 43.82" 88 ° 21 ' 55.51" 29 °
15 ' 35.82" 29 ° 15 ' 20.63"

2014 3

2015 3 12 59260.00
15076.58

1.0 1.8km

3900m

7.4

26.9 - 14.6 15.4
- 2.3 2689mm 336.4mm

38.8mm 13.7mm

1.6m/s 19.2m/s 120

110 120cm

150cm

30%

5

“

2000t/d

”

2000t/d

1850[t/ (km a)]

3500[t/ (km a)]

580[t/ (km

² · a)]

/ (km

2015

2017

3.98hm²

) 2017 9

16.00 55 // 4

2.1

2000t/d

1

9km

2.5km²

4000m

3997.3m

0.5m
2

7m
M10

4.5m

0.5m

10km

150m ,

100m

50m

7

8

2.1.2

34.41hm²

19.87hm²

2017

4.17hm²

0.10hm²

2 - 1

2 - 1

hm l

hm ²		hm ²	hm ²

2 - 2

hm l

hm ²

hm ²

hm ²

i

GPS

0.40hm²

0.50hm²

0.10hm²

2 - 3

2 - 3

hm l

4.07 m³ 1.65 m³
 1.43 m³ 1.00 m³ 0.48 m³
 1.77 m³ 0.87 m³ 0.65
 m³ 0.25 m³ 1.52
 m³ 60m³ 0.77 m³ 0.75
 m³ 0.78
 3 0.78 m³ 2 - 4
 2 - 4 : m j

							4
							4
					2		
					2		
					2		4

4.07 m³ 4.07 m³
 1.77 m³ 1.87 m³
 0.2 m³
 0.31 m³ 0.31 m³
 1.00 m³ 0.80 m³ 0.20 m³
 0.20 m³ 0.20 m³

2 - 5

2 - 5

: m j

3900m

" -

2 - 6

2.2.3

2.2.4

10 50cm

ἰ δὲ ἄλλοι ὅτι ὅτι

2013 188

1999

4

SL190 - 2007

500t/km² · a

2.3.1

2.3.2

2.3.3

2011 5

2011 10

[2011]18

2000t/d

2017 5

3.1

y

Ä

4

Ä

6

İ " ä

T

ä

3.2

3.2.1

(SL277 - 2002)

1

2

3

4

5

6

3.2.2

1

1991 6 29

2010 12 25

2011 3 1

2

1993 120

3

[1998]253 1998 11

29

4

12 2000

5

16

2002

6

[2009]187

7

[2012] 45

[2012]512

9

[2013]188

10

GB50433 2008

11

GB50434 2008

12

GB/T21010 2007

13

GB/T16453.1 - 6 - 2008

14

GB/T15773 - 2008

15

GB/T15774 - 2008

16

GB/T22490 - 2008

17

SL73.6 2001

18

SL277 2002

19

SL336 2006

20

SL190 2007

21

“

[2011]153 ”

22

2000t/d

2011 10

24

2000t/d

[2011]18

3.3

3.3.1

2017 5

“

2000t/d

”

2000t/d

3.3.2

SL277 - 2002

187

3 - 2

3 - 2

1490

ج ب

“

2000t/d

”

2000t/d

2000t/d

2017 5 2017 7

2017 7

4

4.1

4.1.1

(GB50433—2008)

4.1.2

4.1.3

4.1.4

4.1.5

4.2

4.2.1

SL277—2002

1

2

4.2.2

2015 3

2017 5

2017 5 2017 7

2017

5 7

4.2.3

4

6

2

1

1

1

1

4 - 1

4 - 1

				E 88 Á 21Nj43.82m E 88 Á 21Nj43.52m
				E 88 Á 21Nj43.02m
				E 88 Á 21Nj43.09m
				E 88 Á 21Nj43.29m E 88 Á 21Nj43.28m
				E 88 Á 21Nj43.45m

10M W P

5

5.1

5.1.1

2000t/d

5.1.2

2000t/d

2

1

1

1

5.1.3

2

2017 9

3

0.50hm²

5.2

5.2.1

2000t/d

2011

18

SL190 - 2007

2017 5 7

3

354[t / (km²a)]

10MWP

1850[t / (Kma)]

5.2.2

10MWP

10MWP

“

2000t/d

”

10MWP

2

“

2

ǎ

5 - 2

	2000t/d	10MWP	
	30%	30%	
	7.4 336.4mm 2689mm	7.4 336.4mm 2689mm	

10M W P

3000[$t/(km^2 \cdot a)$]

3500[$t/(km^2 \cdot a)$]

2000t/d

5 - 3

5 - 3

[t / (km l " a)

6

6.1

6.1.1

2011 5

2011 10

[2011]18

2000t/d

2000t/d

37.94hm²

34.41hm²

3.53hm²

6 - 1

6 - 1

:hm²

6.1.2

34.81hm²

6 - 2

6 - 2

6 - 3

:hm l

6.2

6.2.1

[2011]18

2000t/d

4.07 m³

1.65 m³

1.43 m³

1.00 m³

0.48 m³

6.2.2

4.07 m³

2.65 m³

1.52

6.2.3

6.4

1

$$M_s = F \times K_s \times T$$

M_s —	t
F —	km ²
K_s —	t / km ² · a
T —	a

6 - 5

6 - . Ŷ 6

6 - 5

6 - 6

	hm l	[t / (km l " a	a	t

6 - 7

	hm l	[t / (km l " a	a	t

644.00

6 - 1

6 - 8

	t

ñ

6 - 2

6.5.2

+O ' # 0 . # P 6 x † Đ l a † x ^- Ë l X ' • è p . # (U " = ´ ð d a · € 7 E P — x Y " , , • İ j) è

	)
3m	6m

6 - 3

6.5.3

6 - 4

6.5.4

6 - 5

7 - 1

2014 - 2017

					4
					2
					4
					2
					2
					2
					2
	6m				9
	3m				9
					9
					2
					2
					2
					4
					4

7 - 2

	6m				
	3m				

"

7.1.2

2014

2000t/d

$\pi \phi$

7 - 4

2015

7 - 6

7.2

7.2.1

34.81hm l

34.81hm l

33.75hm l

7 - 8			hm ²				
							%
			1.11				

7.2.2

$$\text{水土流失总治理度 (\%)} = \frac{\text{水土保持措施面积}}{\text{建设区水土流失总面积}} \times 100\%$$

9.78hm²

89.16%

8.72hm²

7 - 9

7 - 9

hm²

							%
				1.11			

7.2.3

7.2.4

1%99%

SL190 2007



574.35t

3

96.95

89.16

0.86

99%

99.50%

11.43%

2015

3.98hm²

8.1.2

2000t/d

8.1.3

1

a

b

)

c

2

a

b

8.2

8.2.1

2017 5

2017 7

1

2

8.2.2

1

1

2000t/d

5 Á

cm	10		
			5 Á
cm			

/ н л	

			5%
			5%
			5%

F1

mm

mm

5 15

6 15

7 15

8 5

T M







