TUS ENVIRONMENTAL SCIENCEAND TECHNOLOGY DEVELOPMENT Co., LTD.

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2019 4 22 2019 796

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AA+

AA+ 2019 6 30

152.07

63.88% 57.59%

2016 -2018

9.92 1

2005

274,513.35 386,047.34 598,796.90 641,273.48

11.96% 11.59% 14.99% 15.99% 35.96%

36.60% 53.91% 58.37%

2019 3 145.48

36.27% 96.79%

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99,643.68	142,148.96	177,610.12	37,083.71
	14.41%	15.19%	16.16%	15.84%

BOT

382,735.06	443,784.65	259,307.18	45,642.36

PPP BOT

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-46,286.62 -45,052.73 -74,319.07 -25,642.35

2019 3 31 64.13

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2019

cninf
巨潮资讯
www.cninfo.com.cn

2019 4 20

2019 5 28 2018

TUS-SOUNDENVIRONMENTALRESOURCESCO., LTD.

TUS-SOUND

TUS ENVIRONMENTAL SCIENCEAND TECHNOLOGY DEVELOPMENT Co., LTD.

Tus EST

2019 5 28 2018

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	Build-Operate-Transfer		
BOT			
	Public-Private Partnership	Public	Private
PPP			
	Engineering-Procurement-Construction		
EPC			

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2018 4 8

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2018 5 3 2017

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2019

0200234529027300258

010-6598 9621

11010260000000026

2012

0755-8866 8888

0755-8866 6149

518038

1093 18

0755-2598 8033

0755-2598 8122

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AA+

AA+

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2005

274,513.35

386,047.34 598,796.90 641,273.48

11.96% 11.59% 14.99% 15.99% 35.96% 36.60%

53.91% 58.37%

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-46,286.62

-45,052.73 -74,319.07 -25,642.35

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2019 3 145.48

36.27% 96.79%

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-366,065.37 -415,327.78 -227,790.77 -41,975.41

5

33,305.71 43,686.99

63,007.92 15,241.84 4.82% 4.67% 5.73%

6.51%

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99,643.68	142,148.96	177,610.12	37,083.71	
	14.41%	15.19%	16.16%	15.84%

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3.33	1.93	1.79	1.32

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EPC

70% 30%

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2019 3 200

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7 PPP

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PPP

PPP PPP

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1 2019

2019

2018 399.53 245.47

61.44% 2019 34.79

	287880.00
	50000.00
	10000.00
	347880.00

2019

2019

1	PPP	119,830.78
2		59,611.17
3		44,719.62
4		-
5		10,838.43
		235,000.00

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2019 20-25

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2017 8 45

2019 3 31

164.45 43.90 2019

3 62.52%

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2018

58,345,791.93

67,155,759.84 201

7sñ5¢ñ46p51E+AE1DSID5ñ411E7sA6eutSÁPBE48¹9SfE←0¢¹6ÔM¾RAMdÖ¹SÔHNÃ

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70%

100%

100%

30%

PET

50%

3 [2012]142

1

2017

3 2017 15%

2017

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2017 15%

2015

3 2017 15%

2015

3 2017 15%

2017

3 2017 15%

2015

cninf 巨潮资讯 www.cninfo.com.cn

3 2017

15%

2017

3 2017 15%

2

[2009]185

90%

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2008 1 1

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45.89

2

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PPP

2 68.44

116.13 132.29 154.67 2019 3

200

3 2017

24.41 27.45 38.60 62.28

1.79 -4.63 -4.51 -12.71

4 2018 4 16

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www.szse.cn http://www.ccxr.com.cn/

2019 3 31 164.45

43.90

					%	
16 MTN003	5.00	5+N	2016-11-14	2021-11-14	4.23	5.00
17 MTN001	10.00	5.00	2017-01-11	2022-01-11	5.70	10.00

17

SCP001					
16 MTN001	5.00	3.00	2016-01-27	2019-01-27	3.63
16 SCP002	5.00	0.74	2016-02-19	2016-11-15	2.99
16 MTN002	5.00	3.00	2016-03-25	2019-03-25	4.05
16 SCP003	5.00	0.74	2016-06-03	2017-02-28	3.41
16					

18 CP001	5.00	1.00	2018-01-10	2019-01-10	5.35
18 CP002	10.00	1.00	2018-03-05	2019-03-05	5.37
18 SCP002	5.00	0.74	2018-03-09	2018-12-04	5.34
18 SCP003	5.00	0.74	2018-04-11	2019-01-06	5
18 SCP004	5.00	0.74	2018-05-21	2019-02-15	6.3

2019 3 31 130.31

50 38.37%

40%

1 2019 9 26

2

2020 2024 9 26

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2020 2022 9 26

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1 2024 9 26

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2022 9 26

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108,135.94 125,115.22 64,390.73

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18,284.45

2019 3 31

1,098,648.59

1,025,890.48

2019 3 31 35,616.35

641,470.71

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2018 4 8 2018

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1993 10 11

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101102

1,430,578,784

91420000179120511T

010 60502840

1993

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1993 104,610,000

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1998 1 15 1997 497 1997 498 3,500 2 25 139,610,000 13,961

1998 13,961.00 10 3 18,149.30 1998 2003 2 20 2003 10 12 2003 291

10,999.3 60.61%

2003 10 30 2003 10 28

2004 4

2005 4 2005 5 20

2006 2 10 100,243,000 93,743,000 51.65% 81,250,000 181,493,000

2007 5 2006 2006 181,493,000 10 1 10 0.2 181,493,000.00 199,642,300.00 103,117,300 51.65%

2008 7 2008 636 3,000 4.47 2008 7 7 3,000

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199,642,300 229,642,300

2008 9 2008

2008 29,642,300

10 4 10 0.45

2008 6 30 10 4

2008

229,642,300 413,356,140

185,611,140 17,967,807 167,643,333

44.90%

2010 2010 4 2

2010 12 16 2010

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2013 8 29 2,665,236
2,665,236 646,384,776 2013 9 18

2014 3 22 2,551,087
2,551,087 648,935,863 2014 3 22

2014 5 19 2013 2013
12 31 10 3 2014
5 27 843,616,621
2015 1 20

52 2,920,319
2014 12 22 2015 12 21 2014
12 9 2015 12 8
2,920,319 2,920,319
846,536,940
2015 9 21 252,179,937

50,774,484
169,248,280 25,387,242 6,769,931 252,179,937
6% 20% 3% 0.8% 29.8%

15.01%
2015 10 20 2015

2015 11 6 2015 11 10

2016 5 24

2014

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	2019					
10	1.57%	22,460,431	22,460,431	-	-	

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	100%	10,000	436,791	126,995	270,158	13,632	11,009
	100%	80,000	306,857	168,514	72,317	17,470	13,148
	100%	38,236	158,260	88,167	131,509	20,603	17,959
	100%	38,600	211,666	77,534	84,803	2,967	2,805
	100%	50,000	414,901	89,120	170,869	16,911	18,086
	100%	65,413	155,152	72,029	7,422	4,703	3,526
	28.82%	255,000	632,633	284,931	174,918	7,486	7,328
	100%	2,000	17,926	8,745	4,730	3,091	3,095
	100%	17,247	79,397	32,759	33,876	6,544	6,699
	100%	4,000	33,933	17,326	12,401	4,187	3,134
	100%	500	14,689	3,233	12,341	2,772	2,733
	100%	10,204					

1	255,000	28.82%		
2	10,000	40%		;
3	5500	49%		
4	5000	16%	5	2 3 4

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2019 3 31

16.56%

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103,690.0905

1 1 A 15 1503

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2018

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021066 2019 3

	2019 3 31	**2018 12 31**
	545.92	539.00
	314.88	303.74
	231.05	235.26
	2019 1-3	**2018**
	25.64	119.31
	1.67	11.41
	1.16	8.75
	-0.71	2.04
	-1.98	-4.46
	-3.61	-28.25
	3.35	-5.41

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250,000.00

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2018

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022714 2019 3

	2019 3 31	**2018 12 31**
	5,298.12	5,173.88
	3,912.58	3,804.02
	1,385.54	1,369.86

2019 1-3

1	4.97%	71,084,278	-	-	-
2	16.56%	236,947,592	-	-	165,863,300
3	5.79%	82,818,938	82,818,938	-	-
4	1.69%	24,189,197	24,189,197	-	-
5	2.48%	35,542,139	-	-	-
6	0.52%	7,373,026	-	-	-
	32.01%	457,955,170.00	107,008,135.00	-	165,863,300.00

457,955,170.00

165,863,300.00 36.22%

2019 3 31

165,863,300

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2019 3 31

		%
1	6,957.00	100%
2	12,510.00	48.78
3	143,057.87	16.56
4	20,000.00	100.00
5	13,650.00	100.00
6	20,000.00	100.00
7	22,939.61	51.00
8	23,947.13	29.41
9	16,840.32	75.00
10	800	100.00
11	2,000.00	100.00
12	2,000.00	100.00
13	30,000.00	100.00
14	50,000.00	100.00

2019 3 31

		%
1	296,389.90	25.75
2	67,000.00	51.00
3	72,576.00	44.92
4	600,000.00	96.67
5	35,000.00	100.00
6	100,000.00	100.00
7	37,650.00	69.32
8	20,000.00	100.00

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		%
9	100,000.00	100.00
10	120,000.00	100.00
11	30,000.00	100.00
12	5,000.00	100.00
13	250,000.00	100.00
14	300,000.00	100.00
15	6,200	100.00
16	15,000.00	100.00
17	3,000.00	100.00
18	500.00	100.00
19	50.00	100.00
20	1,000.00	35%
21	4,500.00	85.00
22	3,000.00	74.50

2015 9 21 252,179,937

29.80%

15.01%

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	2019	4	20	2021	5	2
	2019	5	28	2021	5	2
	2018	5	3	2021	5	2
	2019	5	28	2021	5	2
	2019	5	28	2021	5	2
	2019	5	28	2021	5	2
	2018	5	3	2021	5	2
	2018	5	3	2021	5	2
	2018	5	3	2021	5	2
	2018	5	3	2021	5	2
	2019	2	18	2021	5	2
	2018	5	3	2021	5	2
	2018	5	3	2021	5	2
	2019	4	20	2021	5	2
	2018	11	21	2021	5	2
	2018	12	8	2021	5	2
	2019	4	20	2021	5	2
	2018	5	3	2021	5	2
	2018	5	3	2021	5	2
	2019	5	15	2021	5	2
	2019	7	5	2021	5	2
	2019	7	5	2021	5	2

2002 9

2018 12

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2008 8 2016 3

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2002

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	2014	09	30
	2017	04	01
	2013	03	01
	2015	05	01
	2000	04	18

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	2018	07	24
	2016	10	10
	2017	01	23
	2011	11	14
	2016	05	11
	2015	06	01
	2018	02	01
	2012	12	12
	2015	06	01
	2015	06	16
	2014	04	17
	2016	03	01
	2006	09	01
	2006	09	01
	2015	12	01
	2006	12	28

2019 3 31

				5,000
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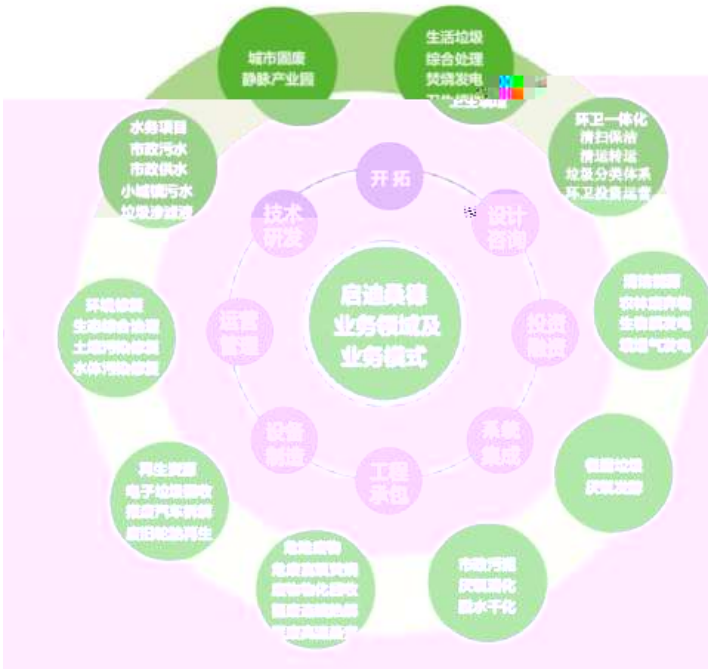

2016-2018

2019 1-3

	2019 1-3		2018		2017		2016	
		%	( )	%		%		%
	16,093.77	6.87	48,750.75	4.43	30,598.82	3.27	28,165.59	4.07
	3,731.40	1.59	15,409.43	1.40	14,388.75	1.54	13,733.73	1.99
	14,315.02	6.11	36,499.11	3.32	15,884.67	1.70	11,865.98	1.72
	22,091.68	9.43	199,426.02	18.14	173,317.30	18.52	143,142.25	20.70
	45,460.23	19.41	211,313.47	19.22	198,830.49	21.25	181,753.84	26.28
	36,939.45	15.77	241,230.14	21.94	316,253.09	33.79	231,523.91	33.47
	92,427.17	39.47	336,266.14	30.59	178,778.95	19.10	79,315.42	11.47
	-	-	7,422.75	0.68	4,046.76	0.43	0.00	0.00
	3,115.59	1.33	3,060.25	0.28	3,739.65	0.40	2,154.81	0.31
	234,174.31	**100.00**	**1,099,378.06**	**100.00**	**935,838.47**	**100.00**	**691,655.55**	**100.00**

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2019

	2019 1-3		2018		2017		2016	
		%		%		%		%
	10,931.66	6.21	31,075.98	3.91	22,163.45	3.43%	17,117.13	3.69%
	2,563.96	1.46	10,442.44	1.31	8,940.69	1.38%	7,800.12	1.68%
	12,209.25	6.93	31,613.27	3.98	15,044.99	2.33%	10,049.18	2.16%
	14,844.02	8.43	140,525.62	17.68	134,911.00	20.88%	128,619.59	27.71%
	34,006.35	19.31	126,004.17	15.85	92,569.86	14.33	81,200.80	17.49
	23,714.56	13.47	179,171.59	22.54	222,036.93	34.36	153,506.95	33.07
	76,546.97	43.47	271,663.48	34.17	148,234.67	22.94	65,349.75	14.08
	-	-	2,116.27	0.27	604.64	0.09	0.00	0.00
	1,272.46	0.72	2,358.09	0.30	1,675.92	0.26	577.76	0.12
	176,089.23	**100.00**	**794,970.92**	**100.00**	**646,182.16**	**100.00**	**464,221.28**	**100.00**

%

	2019 1~3		2018		2017		2016	
	5,162.11	32.08	17,674.77	36.26	8,435.37	27.57	11,048.46	39.23
	1,167.44	31.29	4,966.99	32.23	5,448.06	37.86	5,933.61	43.20
	2,105.77	14.71	4,885.84	13.39	839.68	5.29	1,816.80	15.31
	7,247.66	32.81	58,900.40	29.53	38,406.30	22.16	14,522.66	10.15
	11,453.88	25.20	85,309.30	40.37	106,260.63	53.44	100,553.04	55.32
	13,224.89	35.80	62,058.55	25.73	94,216.16	29.79	78,016.96	33.70
	15,880.20	17.18	64,602.66	19.21	30,544.28	17.08	13,965.67	17.61
	-	-	5,306.48	71.49	3,442.12	85.06	-	-
	1,843.12	59.16	702.16	22.94	2,063.73	55.19	1,577.05	73.19
/	**58,085.08**	**24.80**	**304,407.14**	**27.69**	**289,656.31**	**30.95**	**227,434.27**	**32.88**

	2018		2017		2016	
	50,321.85	4.58%	30,766.07	3.29%	23,185.12	3.35%
	153,462.43	13.96%	109,237.07	11.67%	78,953.89	11.42%
	171,160.53	15.57%	98,736.29	10.55%	61,998.65	8.96%
	48,042.43	4.37%	646,571.44	69.09%	505,344.48	73.06%
	603,193.06	54.87%	34,541.65	3.69%	17,495.11	2.53%

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	2018		2017		2016	
	35,940.37	3.27%	10,737.88	1.15%	2,851.66	0.41%
	37,257.40	3.39%	5,248.08	0.56%	1,826.62	0.26%
	1,099,378.06	**100%**	**935,838.47**	**100%**	**691,655.55**	**100%**

2016 691,655.55 9.08% 2017

935,838.47 2016 35.30% 2017

1

50-60% 10% 20-30%

10%

2016 2018 28,165.59

30,598.82 48,750.75 2016 2015

23.20% 2015 9.45%

2017

30,598.82 8.64% 22,163.45 29.48%

2018

48,750.75 59.32%

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8.69%

2

30-40%

10-20% 20% 20% 10%

2016 2018 13,733.73 14,388.75

15,409.43 2016 2015 5.90%

0.73% 3.79%

2017

4.77% 14.62%

5.34%

2018 15,409.43

7.09%

16.80%

5.63%

3

2016 2018

2016 11,865.98 2015 24.17%

10,049.18 2015 30.98%

2017

33.87% 49.71% 2016

2018 36,499.11

129.78%

110.12%

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4

2016 2018

2016 2015 43.76%

2015 32.05%

2017 21.08% 4.89%

2018

15.06%

7.37%

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2016 2017 2018

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5

MVR

2016 2018 181,753.84
198,830.49 211,313.47 2016
2015 122.51% 2016
2017
9.40%
14.00% 1.88%
2018 198,837.80
6.27% 36.12% 13.07%

1

50%

BOT EPC

55.32%

53.44% 40.37% 2019
25.20%

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6

EPC

2016 2018

2016

2015 38.57% 2015 38.12% 2016

2017

36.60% 44.64%

2017 PPP

2018

23.72% 19.31%

4.06%

7

2016 2015 167.72% 2015

174.78% 2017 125.39%

126.83%

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2018 88.1%

83.27% 2.13%

2.13%

8

2016 1

3,000 2017 9 1

7,000

3,000

1

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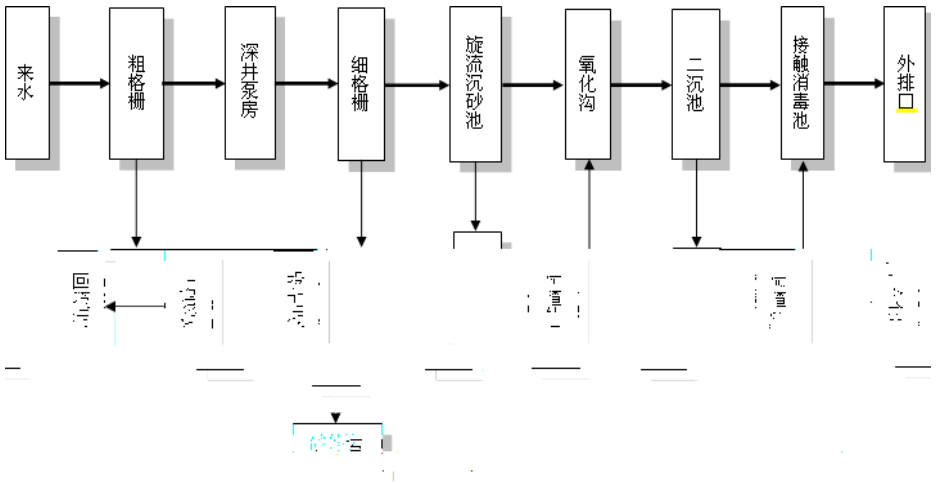

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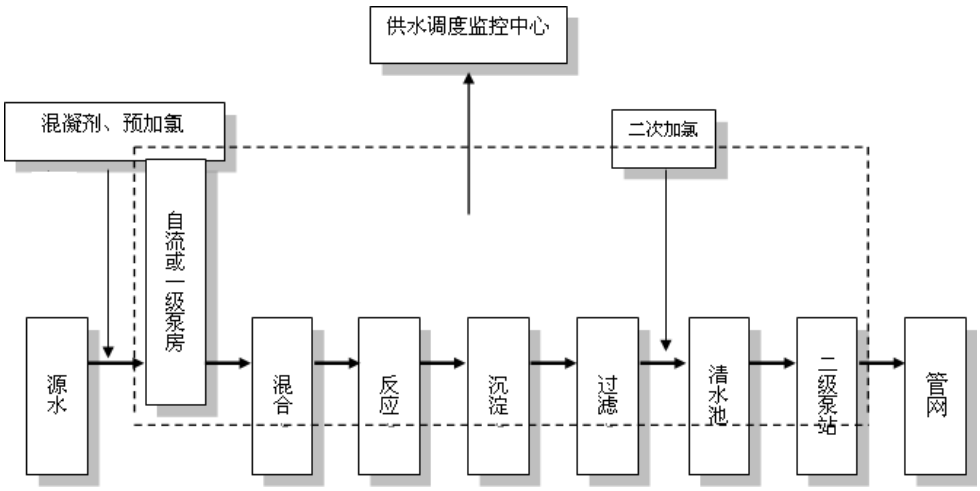
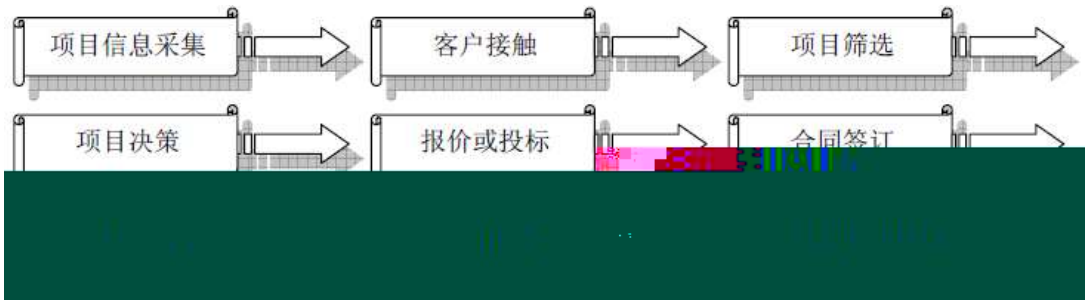


3

BOT



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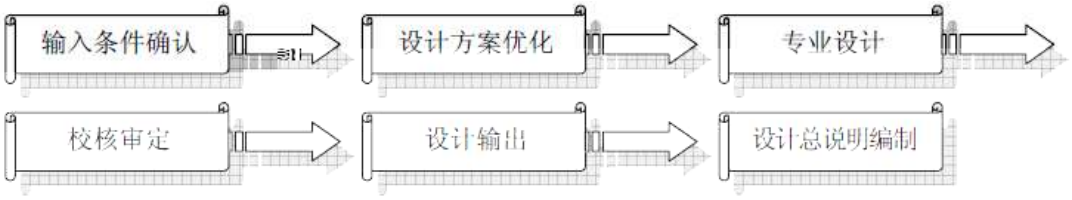

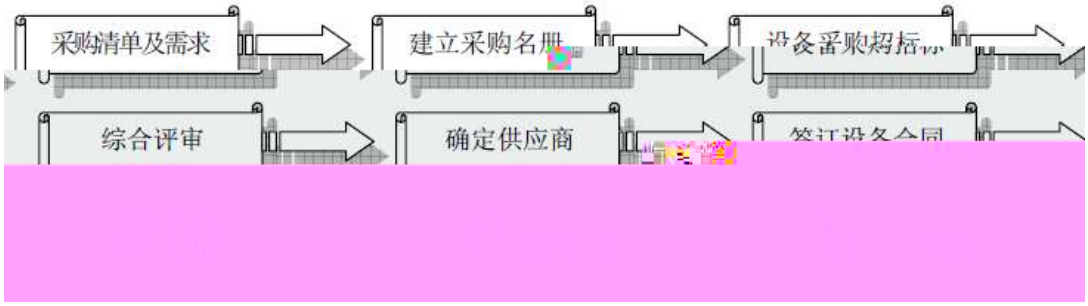

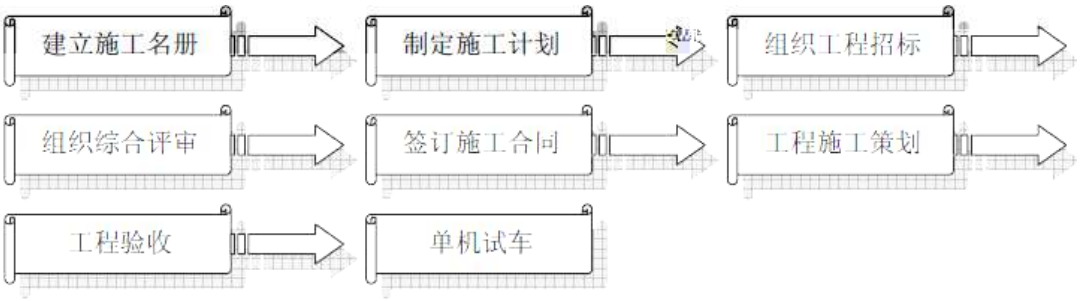

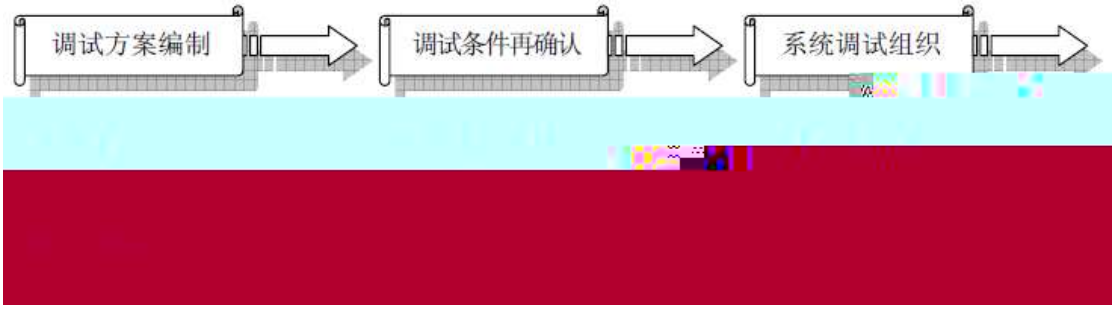

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4

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7

1

2016-2018

	2018	
1	26,323.83	3.31%
2	21,686.05	2.73%
3	13,527.27	1.70%
4	10,116.82	1.27%
5	9,488.32	1.20%
	2017	

3	17,182.61	2.67%
4	16,179.31	2.51%
5	9,360.36	1.45%
2016		
1	36,358.61	7.84%
2	30,587.27	6.60%
3	23,267.45	5.02%
4	20,305.82	4.38%
5	158,072,605.75	3.41%

2

2016-2018

2018		
1	20,089.06	1.83%
2	17,516.98	1.59%
3	12,891.88	1.17%
4	12,660.27	1.15%
5	11,398.58	1.04%
2017		
1	32,241.39	3.46%
2	25,238.69	2.71%
3	18,817.98	2.02%
4	18,006.36	1.93%
5	16,693.88	1.79%
2016		
1	28,657.77	4.16%
2	26,179.99	3.80%
3	22,915.25	3.32%
4	16,165.18	2.34%

1		26,354.32	22,415.39	3,938.93	20	2019.12
2	PPP	124,570.00	32,444.90	92,125.10	20	2019.6
3	PPP -	44,000.00	36,628.24	7,371.76	15	2019.6
4		40,102.00	17,502.38	22,599.62	30	2019.3
5	PPP	20,000.00	6,358.68	13,641.32	30	2019.3
6	( )-- PPP	35,601.73	5,733.32	29,868.41	30	2019.12
7	( )	90,300.51	52,819.88	37,480.63	27	2019.12
8	PPP	281,179.34	43,835.18	237,344.16	17	2020.6
9	PPP	284,814.67	91.31	284,723.36	18	2022.06
10		60,859.27	36.2	60,826.79	30	2021.6
11	PPP	52,768.21	57.39	52,710.82	22	2021.5

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2019

12	106,005.38	167.39	105,837.99	23	2021.6
PPP					
	1,166,555.43	218,090.26	948,465.17		

PPP 1,166,555.43

1,166,555.43 280,378.00

8,86,177.43 218,086.54 PPP

PPP

PPP

	2019 1-3			
	19,818.18	97.44%	6,626.17	96.47%
	520.46	2.56%	242.26	3.53%
	20,338.64	100.00%	6,868.43	100.00%

	2018			
	75,250.00	56.90%	23,638.60	39.27%
	22,593.33	17.08%	10,001.62	16.62%
	34,411.78	26.02%	26,556.02	44.12%
	132,255.11	100.00%	60,196.24	100.00%

2 2018

	PPP	2018 04 21	263,186.24

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	PPP	2018	106,005.38
		2018 8	45,208.8
	PPP	2018 1 23	73,048.23

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GDP

2015 9

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2013-2017

2013 -2017

2013 1	
2013 2	
2013 4	( )
2013 7	(PM10 PM2.5)
2013 9	
2013 10	
2013 11	10 10
2014 1	

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	19
2014 4	
2014 4	16.1%
	2015 1 1
2014 4	
2014 5	
2014 6	
2014 9	
	2010 6 13
2014 10	
	PPP
2014 12	30 PPP PPP PPP ( )

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		2020
2015	4	写
2015	4	PPP
2015	9	
2016	3	
		2,518.4
		1,699.3 257.8
2016	9	

( ) 100

400

300

30

3,000

15,000

1

2.16

15%

15% 20% 3.4

62% GDP 3.5%

3 17

1.7 10% 4.5

26% 5.7 34%

PPP

2

98%

3

IBM

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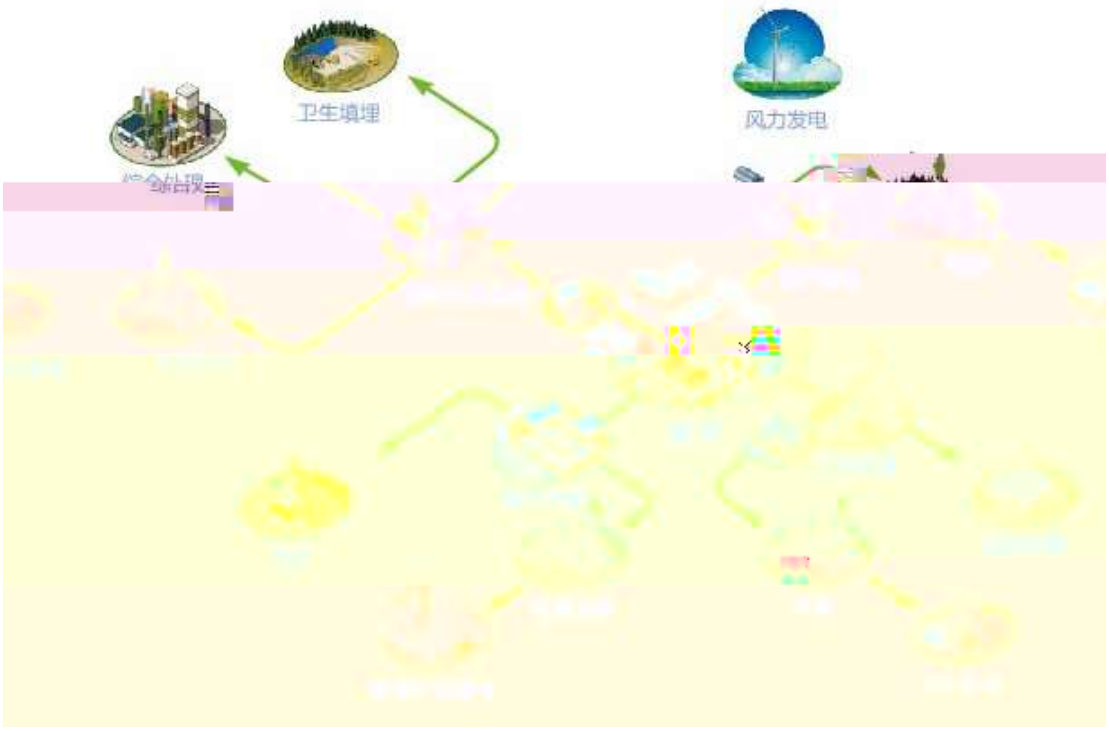

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2016-2021

2,100

18.5%

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25%

3.4 8,000

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2010 6 20

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2017 6 2016 338

897

811 90.4% 563 527

93.6%

334 284 85.0%

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2

1

2020

95%

85%

2

5,022 /

2,856 / 1,071 / 1,095

/

1,500

3,700

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86 2.6

0.77 29.61%

30%

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2014 1 3

2015

2 13

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GB5749-2006 35 106

2

2012 2

2011 1

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2009 12 30

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2017 8 45.89

PPP

PPP PPP

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2019 3 31

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2019 3 31

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	103,690.09	16.56%	16.56%
	25	34.74%	34.74%

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1

	2018	**2017**	**2016**
	4,004.53	9,215.53	8,123.40
	1,629.20	-	-
	-1,495.23	2,542.85	-
	1,011.71	768.11	-
	2.19	132.25	-
	276.73	87.22	-
	192.57	-	-
	179.58	-	-
	173.41	77.37	-
	48.81	46.97	139.14
	82.50	33.57	-
	-	28.30	-
	-	28.11	-
	33.02	14.28	63.81
	23.67	-	-
	10.31	-	-
	-	8.59	-
	-	8.49	-
	6.68	6.15	-
	5.76	5.83	-
	2.57	-	-
	1.06	-	-
	-	5.94	-
	0.32	-	146.81
	526.20	-	-
	-	-	108.59
	-	-	0.41

2

	2018	**2017**	**2016**
	3,816.80	-	-

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	-	-	0.17
	-	-	0.77
	-	-	0.48
	-	-	0.42
	-	-	0.67
	-	0.19	-
	-	0.23	-
	-	0.26	-
	-	0.31	-
	-	0.44	3.54
	-	0.52	-
	-	0.67	1.43
	-	1.87	0.34
	11.32	28.30	5.89
	-	-	12.82
	-	-	57.74
	-	-	0.79
	-	-	-
	-	51.03	45.45
	-	-	2,268.43
	-	-	20,646.82
	2.56	-	-
	1.88	-	-
	0.65	-	-
	0.13	-	-
	84.91	169.81	87.17
	-	-	201.64
	-	-	29.91
	-	-	0.26
	-	-	1,967.51
	-	639.40	-
	937.37	1,030.33	82.48
	-	2,252.25	2,252.25
	-	-	122.64
	1.46	-	-
	123.22	-	-
	854.28	-	-

2

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	2018	2017	2016
	6.70	4.16	-
	17.61	10.53	-
	1,177.56	-	-
	141.78	-	-
	58.48	58.48	-
	13.42	-	-
/	83.97	-	-
	8.31	-	-
	25.28	-	-
	699.79	-	-
	512.64	-	-
	51.10	-	-
	24.40	-	-
	2.04	-	-
	1.35	-	-

3

400

4

1

	2018	2017	2016
	12 31	12 31	12 31
	-	-	5.20
	1.81	-	-
	-	-	2,301.50
	1,304.66	423.77	1,069.11
	1,215.49	-	-
	4,153.67	4,153.67	1,130.00
	-	-	19,225.80
	42.00	30.00	-
	-	-	135.00
	180.00	90.00	2,348.39

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	0.03	0.15	-
	61.40	-	-
	53.66	-	-
	33.02	-	-
	5.45	-	-
	2.03	-	-
	7.95	-	-
	0.91	-	-
	780.55	29.04	358.86
	-	5.00	-
	-	-	25.00
	887.69	-	-
	4.56	-	-
	0.18	-	-
	2,160.00	-	-
	19,440.00	-	-

2

	2018	**2017**	**2016**
	12 31	**12 31**	**12 31**
	9.43	-	-
	4.58	-	-
	5,215.20	8,105.35	2,159.87
	5.97	2,689.48	-
	78.83	84.42	-
	75.79	75.79	85.79
	15.20	11.00	28.95
	13.47	13.47	34.84
	9.13	4.24	-
	264.40	-	-
	154.33	-	-
	5.48	-	-
	503.76	-	-
	2.00	-	-
	72,101.87	-	-
	7,645.15	-	-

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	6.06	-	-
	9,402.96	-	-
	-	2.00	-
	-	0.76	-
	-	0.23	-
	-	-	0.02
	-	-	0.36
	362.54	-	-
	4,728.72	-	-
	5,288.75	-	-

1

30

300

0.5%

30

300

0.5%

3,000

5%

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30 30

300 300

0.5%

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14

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70%

5

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2019

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2016 12 31

2017 12 31 2018 12 31 2019 3 31

2016 2017 2018 2019 1-3

2016 2017 2018

2017 2-00473

2018 2-00862 2019 2-00419

2019 3 31

2016 2017

2018 2019 1-3

	2019 3 31	2018 12 31	2017 12 31	2016 12 31
	1,461,852,805.44	2,389,975,758.52	4,899,760,651.32	3,247,423,710.46
	-	-	-	2,198,247.80
	6,578,685,315.36	6,175,110,920.04	3,873,486,246.63	2,753,497,503.59
	165,950,562.91	187,141,940.56	13,012,798.13	8,364,000.00
	6,412,734,752.45	5,987,968,979.48	3,860,473,448.50	2,745,133,503.59
	520,320,317.04	432,107,066.39	456,811,743.49	589,744,082.57
	517,489,230.27	392,389,075.93	429,277,078.83	389,468,856.89
	727,581,066.46	635,556,369.20	546,873,982.79	459,536,782.27
	1,180,557,134.35	1,082,384,010.87	340,231,138.27	192,980,761.33
	10,986,485,868.92	**11,107,523,200.95**	**10,546,440,841.33**	**7,634,849,944.91**
	22,260,000.00	-	-	-
	-	60,334,811.56	-	-

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	2019 3 31	2018 12 31	2017 12 31	2016 12 31
	-	22,260,000.00	-	-
	1,228,561,050.17	1,302,697,714.67	646,335,101.11	19,688,666.71
	869,216,788.15	870,181,319.04	845,648,549.11	367,390,524.78
	60,334,811.56	-	-	-
	34,992,963.30	35,305,449.57	36,555,394.65	37,805,339.73
	3,102,538,902.77	3,121,144,871.81	2,272,299,571.69	1,724,507,403.62
	13,775,774,779.23	13,335,936,696.60	12,886,396,491.65	9,361,665,310.78
	8,023,560,731.04	8,085,560,283.87	4,626,426,583.31	2,588,867,950.65
	253,176,754.78	238,147,881.17	146,455,373.23	87,409,084.04
	829,440,177.98	829,440,177.98	641,321,774.04	597,345,878.47
	145,724,519.57	145,727,656.03	71,628,393.01	52,553,899.96
	775,096,577.78	798,442,125.03	596,009,920.31	471,511,352.77
	29,120,678,056.33	**28,845,178,987.33**	**22,769,077,152.11**	**15,308,745,411.51**
	40,107,163,925.25	**39,952,702,188.28**	**33,315,517,993.44**	**22,943,595,356.42**
	3,868,800,000.00	3,113,809,000.00	1,570,000,000.00	1,924,000,000.00
	6,414,707,058.94	6,183,052,474.37	3,963,170,189.46	2,642,351,759.46
	-	1,291,080,858.48	600,253,005.28	857,050,381.24
	-	4,891,971,615.89	3,362,917,184.18	1,785,301,378.22
	356,163,545.39	283,879,727.90	137,693,623.13	64,484,523.70
	178,206,786.25	149,309,484.25	124,648,742.10	73,462,823.16
	310,264,938.23	355,629,543.10	590,412,323.58	265,058,420.62
( )	2,308,153,554.53	1,727,961,066.02	527,693,549.82	574,393,306.39
	31,989,741.46	43,871,057.90	32,932,542.19	59,692,330.20
	-	-	17,994.52	17,994.52
	2,276,163,813.07	1,684,090,008.12	494,743,013.11	514,682,981.67
	325,000,000.00	827,250,000.00	500,000,000.00	1,018,000,000.00
	509,427,397.32	3,109,627,808.29	4,606,013,561.67	4,641,501,124.42
	14,270,723,280.66	**15,750,519,103.93**	**12,019,631,989.76**	**11,203,251,957.75**
	6,933,943,660.56	5,509,693,560.59	3,914,259,512.75	2,052,777,259.00
	1,600,000,000.00	1,000,000,000.00	1,500,000,000.00	1,000,000,000.00
( )	1,544,544,430.83	1,630,967,517.75	332,728,413.59	213,800,000.00
	1,544,544,430.83	1,537,167,517.75	238,928,413.59	120,000,000.00
	-	93,800,000.00	93,800,000.00	93,800,000.00
	36,220,940.07	34,601,532.69	-	-
	312,505,728.84	242,569,118.36	179,809,901.81	102,369,954.56
	78,720,396.79	78,720,396.79	-	-

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2019 3 31	**2018 12 31**	**2017 12 31**	**2016 12 31**
300,000,000.00	300,000,000.00	300,000,000.00	-
10,805,935,157.09	**8,796,552,126.18**	**6,226,797,828.15**	**3,368,947,213.56**
25,076,658,437.75	**24,547,071,230.11**	**18,246,429,817.91**	**14,572,199,171.31**
1,430,578,784.00	1,430,578,784.00	1,021,841,989.00	854,297,580.00
1,495,500,000.00	1,994,000,000.00	1,994,000,000.00	997,000,000.00
6,181,878,590.02	6,183,378,590.02	6,592,806,647.30	2,205,303,725.01
103,336.82	802,395.24	-1,018,590.70	100,872.37
514,437,021.86	514,437,021.86	491,637,636.47	409,875,802.75
4,937,719,190.83	4,832,124,698.56	4,718,153,550.17	3,761,022,735.19
14,560,216,923.53	14,955,321,489.68	14,817,421,232.24	8,227,600,715.32
470,288,563.97	450,309,468.49	251,666,943.29	143,795,469.79
15,030,505,487.50	**15,405,630,958.17**	**15,069,088,175.53**	**8,371,396,185.11**
40,107,163,925.25	**39,952,702,188.28**	**33,315,517,993.44**	**22,943,595,356.42**

	2019 1-3	**2018**	**2017**	**2016**
	2,341,743,114.13	**10,993,780,615.16**	**9,358,384,719.85**	**6,916,555,472.08**
	2,341,743,114.13	10,993,780,615.16	9,358,384,719.85	6,916,555,472.08
	2,163,474,589.42	**10,283,590,784.48**	**7,987,664,033.85**	**5,726,430,082.62**
	1,760,892,300.64	7,949,709,179.57	6,461,821,565.13	4,642,212,838.75
	19,476,887.05	92,157,637.18	89,994,003.94	75,809,338.95
	41,044,662.92	257,822,801.51	155,704,264.47	117,298,830.59
	177,374,035.97	888,199,260.63	828,915,368.11	546,080,941.65
	12,268,314.56	200,518,428.10	-	-
	152,418,388.28	630,079,164.10	436,869,941.23	333,057,108.48
	-	265,104,313.39	14,358,890.97	11,971,024.20
(-	-	-	--	-85,415.00
-	21,685,469.11	17,209,345.05	8,497,652.65	11,928,420.19
-	30,482.19	9,844,881.91	484,795.13	-
	32,171,375.31	75,583,898.91	66,724,506.46	-
-	**232,155,851.32**	**812,827,956.55**	**1,446,427,640.24**	**1,201,968,394.65**
	6,700,707.91	40,704,009.75	68,324,362.26	99,207,092.35
	1,668,097.79	22,182,551.75	7,219,830.47	1,995,828.12
-	**237,188,461.44**	**831,349,414.55**	**1,507,532,172.03**	**1,299,179,658.88**

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2019 1-3	**2018**	**2017**	**2016**	
45,914,873.69	141,976,673.02	238,911,740.35	215,614,378.70	
191,273,587.75	**689,372,741.53**	**1,268,620,431.68**	**1,083,565,280.18**	**-**
182,844,492.27	643,907,329.38	1,251,152,164.70	1,081,359,378.10	
8,429,095.48	45,465,412.15	17,468,266.98	2,205,902.08	
-699,058.42	1,820,985.94	**-1,119,463.07**	**62,825.04**	
190,574,529.33	**691,193,727.47**	**1,267,500,968.61**	**1,083,628,105.22**	
8,429,095.48	45,465,412.15	1,250,032,701.63	1,081,422,203.14	
182,145,433.85	645,728,315.32	17,468,266.98	2,205,902.08	
0.11	**0.38**	**1.27**	**1.25**	**/**
0.11	**0.38**	**1.27**	**1.25**	**/**

2019 1-3	**2018**	**2017**	**2016**	

	3,096,535.37	624,208,277.79	748,378,837.12	327,570,225.83
	456,423,643.44	2,593,071,837.91	4,437,846,526.72	3,827,350,590.20
	-419,754,113.14	**-2,277,907,684.76**	**-4,153,277,844.49**	**-3,660,653,659.01**
	11,550,000.00	115,479,831.00	5,595,645,208.51	1,187,409,796.87
	-	115,479,831.00	39,603,846.00	7,294,000.00
	2,714,000,000.00	9,406,263,625.98	4,060,800,000.00	3,827,305,440.00
	1,866,025,853.81	1,192,972,099.98	2,158,000,000.00	159,236,621.19
	599,000,000.00		5,500,000,000.00	6,000,000,000.00
	5,190,575,853.81	10,714,715,556.96	17,314,445,208.51	11,173,951,858.06
	3,456,181,840.72	8,411,904,637.45	7,976,317,746.25	5,630,839,848.98
	356,417,039.14	1,210,744,260.75	715,416,970.86	501,829,706.12
	1,709,743,830.40	504,958,504.10	2,377,860,660.65	325,965,430.29
	5,522,342,710.26	10,127,607,402.30	11,069,595,377.76	6,458,634,985.39
	-331,766,856.45	**587,108,154.66**	**6,244,849,830.75**	**4,715,316,872.67**
	-717,159.43	**1,687,481.06**	**-5,498,277.96**	**5,702,248.41**
	-1,008,661,666.97	**-2,432,302,746.75**	**1,635,546,392.37**	**597,499,277.28**
写	2,158,701,925.79	4,591,004,672.54	2,955,458,280.17	2,357,959,002.89
	1,150,040,258.82	**2,158,701,925.79**	**4,591,004,672.54**	**2,955,458,280.17**

	2019 3 31	**2018 12 31**	**2017 12 31**	**2016 12 31**
	516,287,741.53	1,014,653,892.35	2,728,695,184.70	1,864,093,887.34
	5,596,208,939.32	6,090,583,586.57	4,295,492,536.95	1,791,872,089.69
	100,000.00	3,000,000.00	-	-
	5,596,108,939.32	6,087,583,586.57	4,295,492,536.95	1,791,872,089.69
( )	9,904,793,494.55	9,740,964,715.67	11,057,928,125297 0.	

	2019 3 31	2018 2 31	2017 12 31	2016 12 31
	11,443,659,071.32	11,3 38,602.21	7,448,464,971.01	4,371,623,886.68
	18,855,918.68	19 ,591.39	4,505,089.76	3,912,731.55
	8,073,698.15	8, 864.61	3,541,830.38	2,308,902.42
	815,404.03	-	920,602.92	558,000.02
	39,776,701.94	39 ,701.94	13,399,507.30	17,402,276.75
	143,689,010.72	158 7,144.04	155,577,601.46	175,800,000.00
	11,654,869,804.84	**11,5 40,904.19**	**7,626,409,602.83**	**4,571,605,797.42**
	28,340,043,725.59	**29,0 81,758.28**	**26,023,064,664.89**	**17,746,143,184.37**
	2,643,800,000.00	1,98 0,000.00	990,000,000.00	1,320,000,000.00
	4,638,676,636.99	4,58 3,507.94	2,761,805,182.95	1,450,755,403.01
	-	-	377,024,850.08	403,162,626.87
	-	-	2,384,780,332.87	1,047,592,776.14
	426,662,247.44	304 2,209.44	72,616,271.54	40,497,071.89
	5,664,066.63	12 ,041.83	9,757,040.49	6,010,684.03
	145,350,419.39	200 9,598.39	458,310,732.83	161,808,077.69
( )	3,777,395,835.76	2,29 6,757.52	734,127,098.84	528,346,433.93
	28,138,089.40	27 ,344.72	28,289,977.15	55,046,621.00
	-	-	705,837,121.69	473,299,812.93
	299,700,000.00	799 0,000.00	500,000,000.00	1,000,000,000.00
	509,427,397.32	3,10 7,808.29	4,606,013,561.67	4,641,501,124.42
	12,446,676,603.53	**13,2 89,923.41**	**10,132,629,888.32**	**9,148,918,794.97**
	170,000,000.00	170 0,000.00	534,900,000.00	200,000,000.00
	1,600,000,000.00	1,00 0,000.00	1,500,000,000.00	1,000,000,000.00
( )	971,500,000.00			

2019	1-3	2018	2017	2016
	14,840.00	2,200,000.00	-	1,830.00
	-	49,321,749.17	506,108.14	-
	-	93,407,876.32	115,800,000.00	6,095,200.00
	14,840.00	163,829,625.49	116,306,108.14	6,097,030.00
	178,314.80	3,946,814.36	4,941,046.33	2,984,334.00
	114,035,000.00	1,983,606,460.00	3,094,540,660.00	1,931,335,180.51
	-	304,700,107.47	38,119,400.00	22,269,640.85
		71,587,418.90	148,060,622.33	242,600,000.00
	114,213,314.80	2,363,840,800.73	3,285,661,728.66	2,199,189,155.36
	-114,198,474.80	**-2,200,011,175.24**	**-3,169,355,620.52**	**-2,193,092,125.36**
	-	-	5,556,041,362.51	1,180,115,796.87
	920,000,000.00	6,083,800,000.00	1,840,000,000.00	1,800,000,000.00
	1,350,000,000.00	1,097,950,000.00	2,010,000,000.00	

1.	61.75	387,348.62	13,01.28 386,047.34
2.	39,238.91	42,927.71	42,927.71
3.	312,114.49	227,229.96	227,229.96
4.	1,333,593.67	1,288,639.65	1,288,639.65
5.	618,305.25	396,317.02	60,025.30 336,291.72
6.	172,796.11	52,769.35	3,293.25 1.80 49,474.30
7.	163,096.75	33,272.84	23,892.84 9,380.00
8.	88,819.93	59,530.63	82,891.54
9.	20,051.84	23,360.91	
10.	60,198.16	44,719.26	36,790.09 7,929.17

2

2018

734.22

2019 1 -3

2018

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1 2018

3 69

1 2018

2 2018

2018 4

2018 4

2018 2

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2017

2017 79

12 67

1 2017

1 2017

2017 写

49% 2017 11 20.6

2%

51%

2 2017

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2 2017

2016

2016 63

5 58

1 2016

1 2016

2 2016

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2 2016

	2019 3 /2019 1-3	2018 /2018	2017 /2017	2016 /2016
	4,010,716.39	3,995,270.22	3,331,551.80	2,294,359.54
	2,507,665.84	2,454,707.12	1,824,642.98	1,457,219.92
	1,554,974.68	1,217,506.20	808,451.25	685,182.76
	1,503,050.55	1,540,563.10	1,506,908.82	837,139.62
	0.77	0.71	0.88	0.68
	0.72	0.66	0.83	0.64
	62.52%	61.44%	54.77%	63.51%
	54.90%	54.24%	47.91%	58.32%
	234,174.31	1,099,378.06	935,838.47	691,655.55
	23,215.59	81,282.80	144,642.76	120,196.84
	23,718.85	83,134.94	150,753.22	129,917.97
	19,127.36	68,937.27	126,862.04	108,356.53
	18,284.45	64,390.73	125,115.22	108,135.94
	-25,642.35	-74,319.07	-45,052.73	-46,286.62
	-41,975.41	-227,790.77	-415,327.78	-366,065.37
	-33,176.69	58,710.82	624,484.98	471,531.69
%	24.80%	27.69%	30.95%	32.88%
EBIT	-	156,848.11	211,999.27	166,833.00
EBITDA	-	230,446.96	256,942.73	195,939.09
EBITDA	-	18.93%	31.78%	28.60%
EBIT	-	2.13	3.46	4.52
EBITDA	-	2.69	4.20	5.31
	-	3.95%	6.92%	8.42%

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	2019	3	/2019	2018	/2018	2017	/2017	2016	/2016
		1-3							
/		1.51		2.23		2.83		2.67	
/		10.33		13.4.57 05.88 7					

	2019	1-3	2018	2017	2016
	12,395,515.35		54,642,159.24	82,985,251.89	24,125,944.41
				10,635,421.79	-
				-427,101.97	-771,978.03
	-255,757.67		-15,708,031.32	-5,028,246.88	3,716,480.32
	5,503,939.83		7,585,384.20	16,438,199.48	5,624,597.40
	559,224.61		1,882,376.31	942,372.43	1,021,782.72
	28,757,075.43		**39,311,249.32**	**66,617,237.37**	**20,376,077.80**

	2019 3 31		2018 12 31		2017 12 31		2016 12 31	
		%		%		%		%
	641,273.48							

238,997.58 146,185.28 14.15% 14.71% 5.98% 3.64%

2017 2016 50.88%

2018 2017 51.22%

2019 3 2018 38.83%

	2019 3 31	2018 12 31
	44.49	15.79
	88,637.76	1,881,24.076
	57,503.03	508,57.71
	146,185.28	

2019

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	2016	2017	2018
	12,680.23	34,904.62	52,934
	53,326.48	83,954.93	82,361.66
	420.55%	240.53%	155.59%

	2016	2017	2018	2019 1-3
	53,326.48	83,954.93	98,430.97	13,240.93
	6,850.99	-	16,232.83	1,360.99

.

2015

30

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13 12 7 10

60 70 80 45 130

2

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	2019 3 31
	361,074.18
	263,067.26
	17,132.04
	641,273.48

1 1	5.00%	5.00%
1 2	10.00%	10.00%
2 3	50.00%	50.00%
3	90.00%	90.00%

	2019 3			**2018 12**		
1 1	227,690.25	13,549.54	214,140.71	270,987.80	13,549.54	257,438.26
1 2	85,367.80	6,445.76	78,922.04	64,457.64	6,445.76	58,011.88
2 3	56,165.37	14,327.12	41,838.25	28,654.24	14,327.12	14,327.12
3	28,959.51	2,786.33	26,173.18	3,095.93	2,786.33	309.59
	398,182.93	37,108.75	361,074.18	367,195.61	37,108.76	330,086.85

	2018 12 31

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	38,178.51	2,151.51	5.64%
	188,911.63	8,907.81	4.72%
	48,483.89	2,703.12	5.58%
	630,260.53	21,502.17	3.41%
			4.84%

3

2019 3		**2018 12**	

1.29% 0.98% 1.29%

2016 2015 113.82%

2019 3 2018 31.88%

2019 3 31

500 2019 3 31

64,747.15 2019 3

31

48 39,575.76

61.12%

4

45,953.68 54,687.40

63,555.64 72,758.11 2.00% 1.64%

1.59% 1.81% 2018 2017 16.22%

	2019 3 31	**2018 12 31**
	19,923.89	20,676.78
	14,373.90	9,718.33
	26,336.63	21,182.65
	9,745.56	10,637.59
	371.18	334.91
	2,006.95	0.00
	-	1,005.38
	72,758.11	**63,555.64**

5

19,298.08

34,023.11 108,238.40 118,055.71

0.84% 1.02% 2.71% 2.94% 2018

2017 218.13%

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2016 5 1

2

60% 40%

	2018 12 31	2017 12 31	2016 12 31
	-	-	1,700.00
	720.00	720.00	1,020.00
	107,518.40	33,303.11	16,578.08
	108,238.40	34,023.11	19,298.08

6

1,968.87

64,633.51 130,269.77 122,856.11 0.09%

1.94% 3.26% 3.06%

	2018 12 31
	127,931.35
	2,138.42
	200.00
	130,269.77

1 1,000

1,000

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2

1	5%
1 2	10%
2 3	50%
3	90%

3 A

B

C

4

7

36,739.05

84,564.85 87,018.13 86,921.68 1.60%

2.54% 2.18% 2.17% 2017 2016

130.18%

2019 3

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	2019 3 31		
	81,954.86	0	81,954.86
	606.93	0	606.93
	2,922.90	0	2,922.90
	668.64	0	668.64
	476.64	0	476.64
	92.54		92.54
	199.17	0	199.17
	86,921.68	0	86,921.68

8

172,450.74

227,229.96 312,114.49 310,253.89

7.52% 6.82% 7.81% 7.74%

2019 3

129,848.60	34,500.05	23,030.11	214,163.26	401,542.02
18,005.71	12,780.88	12,245.81		

	2019 3 31	2018 12 31
	1,018,657.40	

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258,886.80

462,642.66 808,556.03 802,356.07

11.28% 13.89% 20.24% 20.01%

2018 2017 74.77%

2019 3 31

	27,440.81	287.09	4,023.28	930,079.07	961,830.25
	2,599.50	209.83	739.37	155,920.21	159,468.91
				5.26	5.26
	24,841.31	77.26	3,283.91	774,153.59	802,356.07

11

47,151.14

59,600.99 79,844.21 77,509.66

2.06% 1.79% 2.00% 1.93%

2016 176.78%

2017

26.40%

2018 写 33.96%

	2019 3 31		**2018 12 31**		**2017 12 31**		**2016 12 31**	
		%		**%**		**%**		**%**
	386,880.00	15.43	311,380.90	12.69	157,000.00	8.60	192,400.00	13.20
	641,470.71	25.58	618,305.25	25.19	396,317.02	21.72	264,235.18	18.13
	127,745.87	5.09	129,108.09	5.26	60,025.30	3.29	85,705.04	5.88
	513,724.84	20.49	489,197.16	19.93	336,291.72	18.43	178,530.14	12.25

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	2019 3 31		2018 12 31		2017 12 31		2016 12 31	
		%		%		%		%
	35,616.35	1.42	28,387.97	1.16	13,769.36	0.75	6,448.45	0.44
	17,820.68	0.71	14,930.95	0.61	12,464.87	0.68	7,346.28	0.50
	31,026.49	1.24	35,562.95	1.45	59,041.23	3.24	26,505.84	1.82
	3,198.97	0.13	4,387.11	0.18	3,293.25	0.18	5,969.23	0.41
	-	-	-	-	1.80	0.00	1.80	0.00
	227,616.38	9.07	168,409.00	6.86	49,474.30	2.71	51,468.30	3.53
	32,500.00	1.30	82,725.00	3.37	50,000.00	2.74	101,800.00	6.99
	50,942.74	2.03	310,962.78	12.67	460,601.36	25.24	464,150.11	31.85
	1,427,072.33	**56.91**	**1,575,051.91**	**64.16**	**1,201,963.20**	**65.87**	**1,120,325.20**	**76.88**
	693,394.37	27.65	550,969.36	22.45	391,425.95	21.45	205,277.73	14.09
	160,000.00	6.38	100,000.00	4.07	150,000.00	8.22	100,000.00	6.86
( )	154,454.44	6.16	163,096.75	6.64	33,272.84	1.82%	21,380.00	1.47%
	-	-	153,716.75	6.26	23,892.84	1.31	12,000.00	0.82
	-	-	9,380.00	0.38	9,380.00	0.51	9,380.00	0.64
	3,622.09	0.14	3,460.15	0.14	-	-	-	-
	7,872.04	0.31	7,872.04	0.32	-	-	-	-
	31,250.57	1.25	24,256.91	0.99	17,980.99	0.99	10,237.00	0.70
	30,000.00	1.20	30,000.00	1.22	30,000.00	1.64	-	-
	1,080,593.52	**43.09**	**879,655.21**	**35.84**	**622,679.78**	**34.13**	**336,894.72**	**23.12**
	2,507,665.84	**100.00**	**2,454,707.12**	**100.00**	**1,824,642.98**	**100.00**	**1,457,219.92**	**100.00**

1,457,219.92 1,824,642.98

2,454,707.12 2,507,665.84

76.88% 65.87% 64.16% 56.91%

1

192,400.00 157,000.00

cninf 巨潮资讯 www.cninfo.com.cn

311,380.90 386,880.00 13.20% 8.60%
12.69% 15.43%
2018 2017 98.33%

	2019 3 31	2018 12 31
	78,300.00	66,100.00
	248,880.00	192,880.00
	9,700.00	2,400.00
	50,000.00	50,000.90
	386,880.00	**311,380.90**

2

85,705.04 60,025.30
129,108.09 127,745.87 5.88% 3.29%
5.26% 5.09% 2016 2015 121.18%
2017 写 -29.96%
2018 写 115.09%

	2019 3 31	2018 12 31
	127,745.87	129,108.09
	127,745.87	**129,108.09**

3

178,530.14 336,291.72
489,197.16 513,724.84 12.25% 18.43%
19.93% 20.49%
2017 2016 88.37%
2018 2017
45.47%

cninf 巨潮资讯 www.cninfo.com.cn

2019 3

		%
	40,100.24	8%
	21,721.03	4%
	20,506.69	4%
	19,425.12	4%
	14,880.00	3%
	116,633.08	23%

4

51,468.30 49,474.30

168,409.00 227,616.38

2016 2015 83.23%

2018

2017 240.40%

2019 3

		%
	72,101.87	32%
	62,000.00	27%
	13,846.77	6%
	9,402.96	4%
	7,935.04	3%
	165,286.64	**72%**

5

101,800.00 50,000.00 82,725.00 32,500.00

6.99% 2.74% 3.37% 1.30% 2018

2017 65.45% 3 1

2015 MTN001 2016

MTN001 MTN002

cninf 巨潮资讯 www.cninfo.com.cn

6

464,150.11

460,601.36 310,962.78 50,942.74 31.85%

25.24% 12.67% 2.03% 2018 2017

32.49%

7

205,277.73

391,425.95 550,969.36 693,394.37 14.09%

21.45% 22.45% 27.65%

	-41,975.41	-227,790.77	-415,327.78	-366,065.37
	-33,176.69	58,710.82	624,484.98	471,531.69
	-100,866.17	-243,230.27	163,554.64	59,749.93
	115,004.03	215,870.19	459,100.47	295,545.83

1

-46,286.62

-45,052.73 -74,319.07 -25,642.35

2018

-7.43 100%

2019

3 31 263,067.26

2

-366,065.37

-415,327.78 -227,790.77 -41,975.41

3

471,531.69

624,484.98 58,710.82 -33,176.69

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	2019 3 /2019 1-3	2018 /2018	2017 /2017	2016 /2016
	0.77	0.71	0.88	0.68
	0.72	0.66	0.83	0.64
	62.52%	61.44%	54.77%	63.51%
EBITDA	-	2.69	4.20	5.31

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0.68 0.88 0.71 0.77

0.64 0.83 0.66 0.72

2

63.51% 54.77% 61.44%

62.52%

2017

3

EBITDA 5.31 4.20 2.69

EBITDA

35.30% 17.48

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	2019 1-3	2018	2017	2016
	234,174.31	1,099,378.06	935,838.47	691,655.55
	19,127.36	68,937.27	126,862.04	108,356.53
	18,284.45	64,390.73	125,003.27	108,142.22
( )	15,408.74	60,459.61	118,453.49	106,098.33
%	24.80	24.80	30.95	32.88

1

1

21.94% 19.22% 30.59% 18.14%

	2019 1-3		2018		2017		2016	
		%	( )	%		%		%
	16,093.77	6.87	48,750.75	4.43	30,598.82	3.27	28,165.59	4.07
	3,731.40	1.59	15,409.43	1.40	14,388.75	1.54	13,733.73	1.99
	14,315.02	6.11	36,499.11	3.32	15,884.67	1.70	11,865.98	1.72
	22,091.68	9.44	199,426.02	18.14	173,317.30	18.52	143,142.25	20.70
	45,460.23	19.41	211,313.47	19.22	198,830.49	21.25	181,753.84	26.28
	36,939.45	15.78	241,230.14	21.94	316,253.09	33.79	231,523.91	33.47
	92,427.17	39.47	336,266.14	30.59	178,778.95	19.10	79,315.42	11.47
	-	-	7,422.75	0.68	4,046.76	0.43	0.00	0.00
	3,115.59	1.33	3,060.25	0.28	3,739.65	0.40	2,154.81	0.31
	234,174.31	**100.00**	**1,099,378.06**	**100.00**	**935,838.47**	**100.00**	**691,655.55**	**100.00**

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	2019	1-3	2018		2017		2016	
		%		%		%		%
	10,931.66	6.21	31,075.98	3.91	22,163.45	3.43%	17,117.13	3.69%
	2,563.96							

	2019	1-3	2018		2017		2016	
		%		%		%		%
	4,104.47	1.75	25,782.28	2.35	15,570.43	1.66	11,729.88	1.70
	17,737.40	7.57	88,819.93	8.08	82,891.54	8.86	54,608.09	7.90
	15,241.84	6.51	63,007.92	5.73	43,686.99	4.67	33,305.71	4.82
	37,083.71	**15.84**	**177,610.12**	**16.16**	**142,148.96**	**15.19**	**99,643.68**	**14.41**

1

11,729.88 15,570.43

25,782.28 4,104.47 1.70% 1.66% 2.35%

1.75% 2016

2015

	2018	2017	2016
	61,569.72	43,905.95	33,400.38
	2,361.60	3,031.63	2,255.44
	3,854.33	2,565.23	2,731.27
	-54.54	247.45	-570.50
	63,007.92	**43,686.99**	**33,305.71**

3

7,558.39 3,217.14

	2019 1-3	2018
	567.84	1,638.31
	2,506.42	5,517.12
	142.88	402.96
	3,217.14	**7,558.39**

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2019 3 31 1,454,776.10

568,256.80 39.06%

2019 3

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1 2019 3 31

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	2019 3 31	
	1,098,648.59	1,498,648.59
	2,912,067.81	2,912,067.81
	4,010,716.39	4,410,716.39
	1,427,072.33	1,327,072.33
	1,080,593.52	1,580,593.52
	2,507,665.84	2,907,665.84

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	2019 3 31	
	1,503,050.55	1,503,050.55
	62.52%	65.92%
	0.77	1.13

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	4,291.74
	4,291.74

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2019 6 30	**2019 6 30**
4,210,249.78	
	1,471,955.10
2019 1-6	**2019 1-6**
480,145.24	2,581.92
361,279.03	17,670.58
7,411.09	846.10
37,925.76	37,562.13
33,885.71	34,577.95
10,284.97	18,558.23
-15,658.64	88,340.28
-83,423.68	-10,736.11

2019 6 2019 3

2019

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	%

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19 SCP001	5.00	0.74	2019-8-16	2020-5-12	5.90	5.00

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	26,116.51	4	2018 03 15

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2019 3 31

	12,000.00	10,670.00	2016-9-30	2031-9-29
	2,400.00	2,130.00	2016-9-30	2031-10-7
	28,000.00	27,000.00	2016-10-14	2029-10-13
	15,000.00	12,650.00	2016-10-25	2026-10-24
	2,000.00	1,508.33	2016-12-24	2024-12-23
	3,200.00	2,825.00	2016-12-29	2026-12-28
	4,500.00	4,400.00	2017-1-3	2029-12-21
	3,000.00	2,587.50	2017-3-31	2025-3-30
	4,000.00	3,925.00	2017-4-25	2030-4-24
	19,800.00	18,975.00	2017-5-25	2030-5-24
	17,000.00	15,450.00	2017-5-25	2029-10-20
	21,000.00	19,600.00	2017-9-13	2029-8-10
	3,000.00	2,800.00	2017-11-1	2029-8-10
	2,000.00	2,000.00	2018-1-3	2028-1-2
	12,000.00	11,400.00	2018-1-4	2031-1-3
	5,000.00	4,730.00	2018-4-19	2026-4-17
	12,600.00	10,200.00	2018-5-8	2021-5-7
	1,400.00	1,070.00	2018-5-10	2021-5-7
	7,296.27	6,749.05	2018-6-8	2026-6-8
	13,000.00	13,000.00	2018-6-29	2029-6-25
	5,000.00	5,000.00	2018-8-1	2030-7-26

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	5,200.00	5,200.00	2018-8-31	2028-8-31
	12,000.00	12,000.00	2018-9-26	2024-9-25
	700.00	700.00	2018-10-26	2032-10-26
	7,000.00	7,000.00	2018-11-7	2028-11-7
	900.00	900.00	2018-5-24	2019-5-23
	1,100.00	1,100.00	2018-12-27	2019-12-27
	1,500.00	1,500.00	2018-6-28	2019-6-27
	5,400.00	3,035.00	2014-1-20	2023-1-20
	10,000.00	5,000.00	2014-9-29	2021-9-28
	6,720.00	730.00	2010-12-22	2019-12-21
	19,999.87	19,931.96	2017-10-10	2032-9-30
	9,800.00	1,400.00	2012-4-5	2020-4-5
	7,000.00	7,000.00	2018-11-20	2026-11-20
	30,000.00	30,000.00	2018-11-20	2028-10-20
	31,000.00	31,000.00	2018-12-6	2032-12-5
	4,200.00	4,200.00	2018-12-14	2023-12-14
	55,000.00	55,000.00	2019-1-2	2028-10-20
	3,500.00	3,500.00	2019-1-10	2019-12-23
	4,000.00	[redacted]	2019-1-11	2028-12-1

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	2,800.00	2,800.00	2019-2-20	2020-2-20
	5,200.00	5,200.00	2019-2-27	2036-2-27
	8,000.00	8,000.00	2019-2-28	2034-1-27
	5,600.00	5,600.00	2019-3-5	2034-1-10
	10,500.00	10,500.00	2019-3-22	2028-3-13
	1,000.00	1,000.00	2019-3-26	2020-2-21
	6,500.00	6,500.00	2019-3-28	2034-2-24
	552,016.14	**493,561.85**		

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2019 3 31

62.52% 65.92%

43.09%

54.36%

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0.77 1.13

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PPP

PPP

PPP

76.54% 76.88% 65.87% 70.58%

50%

50%

30%

2018

1,096,317.81 99.72%

2018 50%

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50%

70%

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40 80%

70%

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发行人声明

根据《公司法》、《证券法》和《公司债券发行与交易管理办法》的有关规定，本公司符合公开发行绿色公司债券的条件。

法定代表人签名：

文　辉

启迪环境科技发展股份有限公司

2019　年 9　月 24　日

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发行人全体董事、监事、高级管理人员声明

本公司全体董事、监事及高级管理人员承诺本募集说明书及其摘要不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担

2019 9 24

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全体董事签名：

文　辉	李星文	孙　娟
曹　帅	张传刚	代晓冀
廖良汉	刘俊海	周　琪

启迪环境科技发展股份有限公司

2019 年　9 月　24 日

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全体董事签名：

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曹帅	张传刚	代晓冀
廖良汉	刘俊海	周琪

启迪环境科技发展股份有限公司

2019年 9 月24日

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曹　帅	张传刚	代晓冀
廖良汉	刘俊海	周　琪

启迪环境科技发展股份有限公司

2019 年　9 月　24 日

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全体监事签名：

[illegible]

[illegible]　　杨　茜

刘华容

[illegible]

[illegible]

[illegible]

发行人全体董事、监事、高级管理人员声明

本公司全体董事、监事及高级管理人员承诺本募集说明书及其摘要不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

全体监事签名：

2019 9

发行人全体董事、监事、高级管理人员声明

本公司全体董事、监事及高级管理人员承诺本募集说明书及其摘要不存在虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性、完整性承担相应的法律责任。

除董事外的其他高级管理人员签字：

万　峰	张维娅	刘　群
卫　彬	张新建	秦　玲
杨明勋	贺北平	袁　琳

启迪环境科技发展股份有限公司

2019 年　9　月　24 日

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主承销商声明

本公司已对募集说明书及其摘要进行了核查，确认不存在虚假记载、误导

2019 9 24

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发行人律师声明

本所及签字的律师已阅读募集说明书及其摘要，确认募集说明书及其摘要与本所出具的法律意见书不存在矛盾。本所及签字律师对发行人在募集说明书及其摘要中引用的法律意见书的内容无异议，确认募集说明书不致因所引用内容而出现虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性和完整性承担相应的法律责任。

经办律师签名：

郭志联　　孙越

律师事务所负责人签名：

郭志联

北京市世纪律师事务所

2019 年 9 月 24 日

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会计师事务所声明

本所及签字注册会计师已阅读募集说明书及其摘要，确认募集说明书及其摘要与本所出具的报告不存在矛盾。本所及签字注册会计师对发行人在募集说明书及其摘要中引用的财务报告的内容无异议，确认募集说明书不致因所引用内容而出现虚假记载、误导性陈述或重大遗漏，并对其真实性、准确性和完整性承担相应的法律责任。

经办注册会计师签名：

胡涛

丁红远

会计师事务所负责人签名：

胡咏华

大信会计师事务所（特殊普通合伙）

2019 年 9 月 24 日

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2016 2017 2018

2019 1-3

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