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|  |  | 20172018201920201-9 |
|  |  | 20172018201920209   |
|  |  | 201720182019        |

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| 2020 |  |

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|  |                                                     |
|  |                                                     |
|  | Qingdao Huicheng Environmental Technology Co., Ltd. |
|  | 91370200783724899J                                  |
|  | 2006 2 27                                           |
|  | 10,000                                              |
|  |                                                     |
|  | 57                                                  |
|  | 57                                                  |
|  | 300779                                              |
|  |                                                     |
|  |                                                     |
|  |                                                     |
|  | 0532-58657701                                       |
|  | 0532-58657729                                       |
|  | www.hcpect.com                                      |
|  | stock@hcpect.com                                    |

PFCC

FCC

RFCC

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2020 10 13

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2020 6 24

2020 7 14

2020

3-1-11

|          |          |          |           |          |
|----------|----------|----------|-----------|----------|
| 1        |          |          |           |          |
| 1        |          |          |           |          |
| 2        |          |          |           |          |
| 2017     | 2018     | 2019     |           |          |
| 5,019.32 | 6,374.64 | 4,285.93 |           | 5,226.63 |
|          |          |          | 32,000.00 |          |
| 3.00%    |          |          |           |          |
|          |          |          | 960.00    |          |

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|   |          |          |          |           |
|---|----------|----------|----------|-----------|
| 2 | 2017     | 2018     | 2019     |           |
|   | 5,019.32 | 6,374.64 | 4,285.93 | 5,226.63  |
|   |          |          |          | 32,000.00 |
|   | 3.00%    |          |          |           |
|   |          |          |          | 960.00    |

|   |        |           |        |        |     |
|---|--------|-----------|--------|--------|-----|
| 3 | 2017   | 2018      | 2019   | 2020   | 9   |
|   | 44.91% | 49.86%    | 29.59% | 28.48% |     |
|   | 2017   | 2018      | 2019   | 2020   | 1-9 |
|   |        | -1,509.04 | 826.77 |        |     |

|          |          |           |          |           |
|----------|----------|-----------|----------|-----------|
| 5,740.83 | 2,891.84 | 19,699.66 |          |           |
| 5,019.32 | 6,374.64 | 4,285.93  | 2,258.28 | 17,938.17 |

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|         |  |        |         |        |
|---------|--|--------|---------|--------|
|         |  |        | 2017    | 2018   |
| 2019    |  |        |         | [2019] |
| ZG10007 |  | [2020] | ZG11002 |        |

|          |          |          |  |  |
|----------|----------|----------|--|--|
| 4        | 2018     | 2019     |  |  |
| 6,374.64 |          | 4,285.93 |  |  |
|          | 5,910.37 | 3,713.42 |  |  |

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4 / FCC

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2 4 / FCC

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2016

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51.50% 52.42%

50.45% 53.44%

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3-1-20

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|           |           |                      |           |           |
|-----------|-----------|----------------------|-----------|-----------|
|           |           |                      | 8,160.82  | 12,802.52 |
| 9,477.80  | 8,607.27  |                      |           |           |
| 26,660.70 | 34,387.24 | <del>30,879.47</del> | 25,231.28 |           |
|           |           | 30.61%               | 37.23%    | 27.57%    |
|           |           |                      | 34.11%    |           |

3

40.64% 40.14% 36.44% 32.85%

|  | 2020 | 1-9           | 2019          | 2018          | 2017          |
|--|------|---------------|---------------|---------------|---------------|
|  |      | <b>32.76%</b> | <b>36.98%</b> | <b>40.24%</b> | <b>40.59%</b> |
|  |      | 57.38%        | 64.34%        | 66.94%        | 67.37%        |
|  |      | 27.04%        | 32.13%        | 36.99%        | 36.00%        |
|  |      | 53.74%        | 46.88%        | 31.44%        | 57.83%        |
|  |      | <b>38.75%</b> | <b>13.67%</b> | <b>33.18%</b> | <b>47.36%</b> |
|  |      | <b>32.85%</b> | <b>36.44%</b> | <b>40.14%</b> | <b>40.64%</b> |

2012.85

2010 11 15

2013 9 25 2016 12 2 2019 11 28

GR201937100531

15%

[2016]41 6,000 / FCC

2015-2017

2018-2020

[2017]34 20,000 / FCC

2016-2018

2019-2021

FCC

13%

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 1         |           |           |           |           |           |
|           |           |           | 26,462.37 | 33,916.74 | 33,580.68 |
| 24,830.80 | FCC       |           |           | 19,744.72 |           |
| 27,837.68 | 24,204.45 | 16,700.30 |           |           |           |
| 2019      | FCC       |           | 2018      | 3,633.23  |           |
| FCC       |           |           | 2020      | 1-9       | FCC       |

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www.cninfo.com.cn

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2019 FCC

2019

FCC

|   | 2020      | 1-9 | 2019      | 2018      | 2017      |
|---|-----------|-----|-----------|-----------|-----------|
| / | 12,889.99 |     | 13,683.06 | 14,480.74 | 14,496.48 |
|   | 12,956.02 |     | 17,689.35 | 19,223.94 | 13,620.35 |
|   | 16,700.30 |     | 24,204.45 | 27,837.68 | 19,744.72 |

2019 2020 1-9 FCC

1

2019 FCC 2018 797.68 / 5.51%

2018 FCC 4,084.04

15,470.39 / 2018 FCC

14,213.77 / 1,256.62 / 2019 FCC

FCC

|           |       |  |             |      |             |
|-----------|-------|--|-------------|------|-------------|
|           |       |  |             | FCC  |             |
|           |       |  | 2020        |      | FCC         |
| FCC       |       |  | 2020        | FCC  |             |
| 3,107     |       |  | 2,997       |      | 110         |
| 13,834.54 | /     |  | 4,385.55    |      |             |
| 2020      | 1-9   |  |             |      | 12,358.94 / |
|           |       |  | 13,834.54 / |      | 1,475.6 /   |
|           |       |  | 467.77      | 2020 | 1-9         |
| 361.04    | /     |  |             |      |             |
| 2017      | -2020 |  |             |      |             |

|  | 2020     | 2019     | 2018     | 2017     |
|--|----------|----------|----------|----------|
|  | 7,474.45 | 9,130.16 | 8,668.64 | 6,830.04 |
|  | 151.28   | 1,700.25 | 1,601.22 | 1,669.30 |

|          |   |      |          |     |          |
|----------|---|------|----------|-----|----------|
| 2020     |   |      | 7,474.45 |     | 151.28   |
| 3        |   | 2020 |          | FCC |          |
|          |   |      | 2020     |     |          |
| FCC      |   |      | 2020     |     |          |
|          |   | 2020 | 1-9      |     | FCC      |
| 1,398.43 |   | 2019 | 2,148.01 |     | 34.90%   |
|          |   | 2020 | 1-9      |     | 164.36 / |
| 2020     | 4 |      |          | FCC |          |
| 2020     |   |      | FCC      |     |          |
| 4        |   |      | FCC      |     |          |

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FCC

|      | 2020 | 1-9    | 2019   | 2018   | 2017    |
|------|------|--------|--------|--------|---------|
|      |      | 32.76% | 36.98% | 40.24% | 40.59%  |
|      |      | 57.38% | 64.34% | 66.94% | 67.37%  |
|      |      | 27.04% | 32.13% | 36.99% | 36.00%  |
| -FCC |      | 28.80% | 31.94% | 37.78% | 37.36%  |
| -    |      | 40.15% | 28.19% | 33.50% | 40.36%  |
| -    |      | 52.07% | 50.86% | 16.86% | -35.21% |
|      |      | 32.85% | 36.44% | 40.14% | 40.64%  |

|      |      |     |      |     |
|------|------|-----|------|-----|
| 2019 | 2018 | 3.7 | 2020 | 1-9 |
| 2019 | 3.59 |     | FCC  |     |

|      |      |     |
|------|------|-----|
| 2019 | 2020 | 1-9 |
|------|------|-----|

|   | 2020 | 1-9       |        | 2019      |
|---|------|-----------|--------|-----------|
|   |      | 18,017.16 | N/A    | 18,986.49 |
| / |      | 1,937.60  | -5.30% | 2,045.95  |
| / |      | 825.73    | 13.18% | 729.59    |
|   |      | 57.38%    | -6.96  | 64.34%    |

|       |     |          |   |      |
|-------|-----|----------|---|------|
| 2020  | 1-9 | 1,937.60 | / | 2019 |
| 5.30% |     |          |   |      |

3-1-25

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2020 1-9 825.73 / 2019  
13.18%

|   | 2020 1-9 | 2019     | 2018     | 2017     |
|---|----------|----------|----------|----------|
| / | 1,953.90 | 2,053.31 | 2,029.81 | 2,109.17 |
| / | 662.24   | 692.47   | 671.07   | 688.18   |
| / | 1,291.66 | 1,360.84 | 1,358.74 | 1,420.99 |
|   | 66.11%   | 66.28%   | 66.94%   | 67.37%   |

## 2 FCC

FCC 37.36% 37.78%  
31.94% 28.80% FCC

|   | 2020 1-9  | 2019      | 2018      | 2017      |
|---|-----------|-----------|-----------|-----------|
| / | 12,889.99 | 13,683.06 | 14,480.74 | 14,496.48 |
| / | 9,178.06  | 9,313.16  | 9,010.06  | 9,080.70  |
| - | 5,440.68  | 5,254.49  |           |           |

|      |      |
|------|------|
| 2019 | 3.14 |
|------|------|

|        |     |      |     |       |
|--------|-----|------|-----|-------|
|        | FCC | 2020 | 1-9 | 2019  |
| 793.07 | /   |      |     | 5.80% |
|        | FCC |      |     |       |
|        | FCC |      |     |       |

2019 FCC

|        |   |       |   |       |        |
|--------|---|-------|---|-------|--------|
| 119.51 | / | 75.38 | / | 2.33% | 12.97% |
| FCC    |   |       |   |       |        |

FCC

|      |        |     |        |   |        |       |
|------|--------|-----|--------|---|--------|-------|
| 2019 | 2020   | 1-9 | FCC    |   |        |       |
|      | 119.51 | /   | 186.19 | / | 2.33%  | 3.54% |
|      |        |     | 132.55 | / | 149.79 | /     |

2019 3

700 /

2019 3

2020 10-12

2020

FCC

2019

FCC

|  | 2020 | 1-9 | 2019 | 2018 | 2017 |
|--|------|-----|------|------|------|
|--|------|-----|------|------|------|

|     | 2020 1-9  | 2019      | 2018      | 2017      |
|-----|-----------|-----------|-----------|-----------|
|     | 629.57    | 1,161.44  | 1,117.30  | 765.59    |
| FCC | 12,956.02 | 17,689.35 | 19,223.94 | 13,620.35 |
| /   | 485.93    | 656.58    | 581.20    | 562.10    |

2019 FCC 1,161.44

2018 2019 FCC 2018

1,534.59 7.98% 75.38 /

2020 1-9

2019 170.65 /

25.99%

FCC

|     | 2020 1-9  | 2019      | 2018      | 2017      |
|-----|-----------|-----------|-----------|-----------|
|     | 1,283.17  | 1,967.04  | 2,114.88  | 1,527.48  |
| FCC | 12,956.02 | 17,689.35 | 19,223.94 | 13,620.35 |
| /   | 990.41    | 1,111.99  | 1,100.12  | 1,121.47  |

2020 1-9 FCC 990.41 /

2019 121.58 /

a

b 36.86 28.45 /

c 109.95 84.86 /

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2019

2018

2019

|      |  |     |          |
|------|--|-----|----------|
|      |  |     |          |
| 2019 |  | 342 | 808.96   |
| 2020 |  | 432 | 1,033.25 |

2020 7

189 FCC

18,000

/

2020

|         |    |            |            |
|---------|----|------------|------------|
|         |    |            |            |
| 2020.06 | 69 | 2020 6 29  | 2020 8 13  |
| 2020.10 | 60 | 2020 10 13 | 2020 10 30 |
| 2020.12 | 60 | 2020 12 4  | 2020 12 11 |

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FCC

|  |           |          |          |          |          |
|--|-----------|----------|----------|----------|----------|
|  | 2020      | 2020 1-9 | 2019     | 2018     | 2017     |
|  | 10,059.52 | 8,044.60 | 8,645.90 | 9,097.76 | 7,578.38 |

28,480 /

FCC

FCC

3-1-29

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2021 1 15

4

FCC

FCC

FCC

FCC

FCC

FCC

FCC

FCC

2020

9.1 /

3.4

33

3-1-30

3% 4%

15 FCC

5 FCC

|      |      |     |     |
|------|------|-----|-----|
| 2019 | 2020 | 1-9 | FCC |
|------|------|-----|-----|

119.51 / 186.19 / 2.33% 3.54%

132.55 / 149.79 / 2020

10-12 2020

|     |     |        |
|-----|-----|--------|
| 1-9 | FCC | 268.47 |
|-----|-----|--------|

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6 2020 2020

2021 2020

7

|      |   |    |     |       |
|------|---|----|-----|-------|
| 2021 | 1 | 15 | FCC | 1,674 |
|------|---|----|-----|-------|

12,810.2 / 2020 1-9

12,358.94 / 451.26 /

4

2018      2019      2020

3-1-31

|  |           |           |           |
|--|-----------|-----------|-----------|
|  | 10,070.87 | 12,526.96 | 13,803.44 |
|  | 31.02%    | 36.44%    | 40.14%    |
|  | 7,161.92  | 8,385.73  | 6,307.57  |
|  | 145.77    | 930.38    | 76.70     |
|  | 392.69    | 32.86     | 3.75      |
|  | 2,757.73  | 4,285.93  | 6,374.64  |
|  | 2,757.73  | 4,285.93  | 6,374.64  |
|  | 767.73    | 572.51    | 464.27    |
|  | 1,990.00  | 3,713.42  | 5,910.37  |
|  | 99,903.45 | 92,168.92 | 65,386.92 |
|  | 33,240.85 | 27,274.92 | 32,599.38 |
|  | 66,662.60 | 64,894.00 | 32,787.54 |
|  | 3,017.15  | 5,740.83  | 5,065.68  |

2020

2020

2020

2019

2020

32,461.76

2019

1,917.71

5.58% 2020

2,757.73

2019

1,528.19

35.66% 2020

1,990.00

2019

1,723.42

46.41%

2020

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2019

2020

4,285.93

2,757.73

3,713.42

2,274.60

2

2018

2019

2020

6,374.64

4,285.93

2,757.73

4,472.77

32,000.00

3.00%

960.00

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|          |           |           |          |          |        |
|----------|-----------|-----------|----------|----------|--------|
| 3        |           |           |          |          |        |
| 2018     | 2019      | 2020      |          |          | 49.86% |
| 29.59%   | 33.27%    |           |          |          |        |
|          |           |           |          | 2020     |        |
|          | 5,083.96  |           | 2018     | 2019     |        |
| 2020     |           |           | 5,065.68 | 5,740.83 |        |
| 3,017.15 | 13,823.66 |           |          | 6,374.64 |        |
| 4,285.93 | 2,757.73  | 13,418.30 |          |          |        |

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|   |   |  | 2020.9.30       | 2019.12.31      | 2018.12.31    | 2017.12.31 |
|---|---|--|-----------------|-----------------|---------------|------------|
| 8 | - |  | 1,333.87        | -               | -             | -          |
| 9 |   |  | 1,382.06        | 1,247.2         | -             | -          |
|   |   |  | <b>4,882.02</b> | <b>2,402.50</b> | <b>545.34</b> | -          |

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|   |         |           |        |        |        |         | 2020 12<br>31 |
|---|---------|-----------|--------|--------|--------|---------|---------------|
| 1 |         | 290.00    | 274.36 | 94.61% | 274.42 | 2020.11 | 2020 11       |
| 2 |         | 180.00    | 109.78 | 60.99% | -      | 2021.05 |               |
| 3 |         | 827.00    | 791.60 | 95.72% | -      | 2021.06 |               |
| 4 |         | 1,546.00  | 135.04 | 8.73%  | -      | 2021.03 |               |
| 5 | 4 / FCC | 56,169.00 | 399.46 | 0.71%  | -      | 2021.09 |               |
| 6 | 3 / FCC | 17,956.00 | 292.77 | 1.63%  | -      | 2022.04 |               |

7

|   |        | 2020 | 2021     | 2022     | 2023     | 2024     | 2025     | 2026     |
|---|--------|------|----------|----------|----------|----------|----------|----------|
| - | 2021.6 | -    | 90.21    | 180.42   | 180.42   | 180.42   | 180.42   | 180.42   |
|   | 2021.6 | -    | 58.20    | 116.40   | 116.40   | 116.40   | 116.40   | 116.40   |
|   |        | 2.34 | 1,230.58 | 4,762.76 | 5,096.43 | 5,096.43 | 5,096.43 | 5,096.43 |

4
/
FCC
/
FCC

|         |        | 2020 | 2021   | 2022     | 2023     | 2024     | 2025     | 2026     |
|---------|--------|------|--------|----------|----------|----------|----------|----------|
| 4 / FCC | 2021.9 | -    | 828.00 | 3,313.00 | 5,370.00 | 7,285.00 | 7,466.00 | 7,643.00 |
| 3 / FCC | 2022.4 | -    | -      | 746.00   | 1,727.00 | 2,334.00 | 2,334.00 | 2,334.00 |
|         |        | -    | 828.00 | 4,059.00 | 7,097.00 | 9,619.00 | 9,800.00 | 9,977.00 |

/
FCC

2021
9
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FCC

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2023

828.00
4,059.00
7,097.00
2024
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2020

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FCC

2017

2020

FCC

| FCC |  | 2020      | 2019      | 2018      | 2017      |
|-----|--|-----------|-----------|-----------|-----------|
|     |  | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 |

|  |  |           |           |           |           |
|--|--|-----------|-----------|-----------|-----------|
|  |  | 21,464.96 | 20,280.38 | 20,035.36 | 16,039.73 |
|  |  | 107.32%%  | 101.40%   | 100.18%   | 80.20%    |

FCC FCC

2 /

FCC 4 /

FCC

FCC

1

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3

A+

4

85%

5

6

1

2019

FCC

2020

2020

2020 1-9

2,258.28

43.11%

2020

2019

2

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3

4

1

[2011]19

2

3-1-40

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70%

30%

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FCC

FCC

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3-1-41

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3

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3-1-42

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+

FCC

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8 70%

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向不特定对象发行可转换公司债券发行保荐书》的盖章页。

第 100 页

保荐代表人：

张明远

张明远

毛传武

毛传武

保荐业务部门负责人：

毛传武

毛传武

内核负责人：

何澎湃

何澎湃

保荐业务负责人：

段涛

段涛

保荐机构总经理：

段涛

段涛

保荐机构法定代表人、董事长：

张明远

张明远





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5

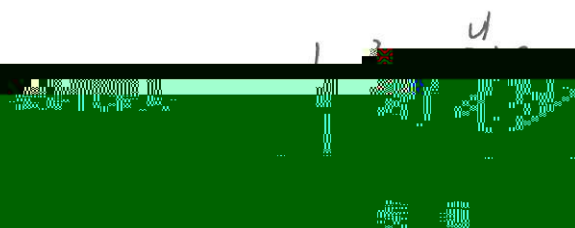
36

12

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1 3 4



保荐代表人: 姜 翊

保荐机构: 中德证券有限责任公司

