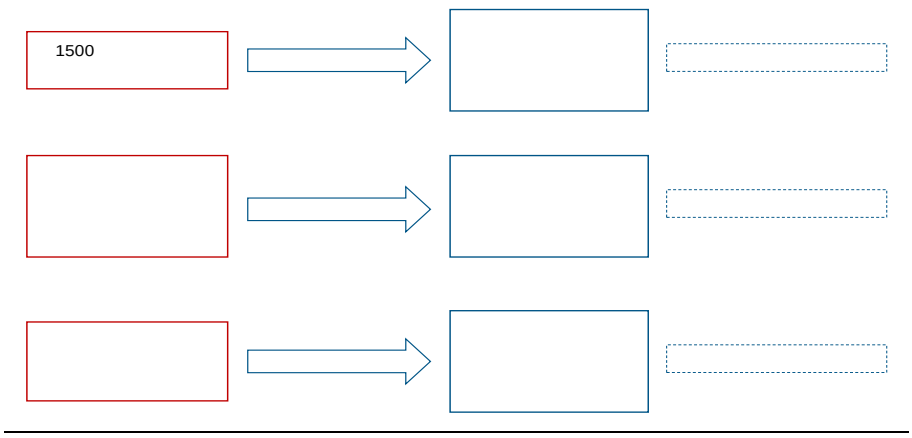
12 14
13 15
14 16
15 17
16 2017 1-10 TOP30 17
17 17
18 19
19 4 20
20 22
21 22
22 23
23 28
24 2016 29
25 2016 29
26 2014 30
27 31
28 34

1 11
2 13
3 2010 14
4 17

1500

2



3

，

4

，

20 40

20 40 80 “ ” “ ”

1952 1500

20 80 2000

1987-1993 6

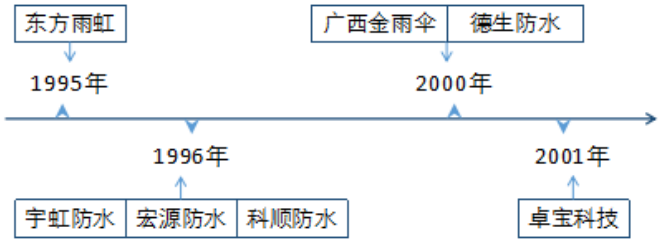
11

2000 2014 2000 34.88%

2014 93.38%

2000

5 2000



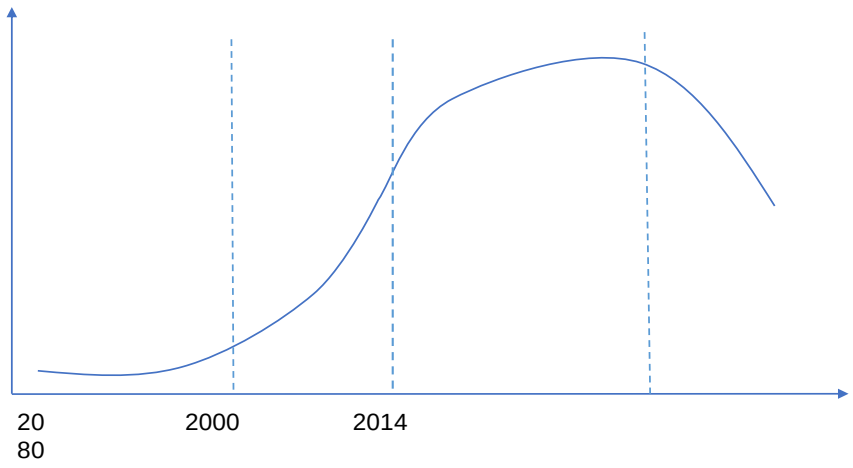
Wind,

2014

90%

“ ”

6



0.5-1%

2500 /

1.2%

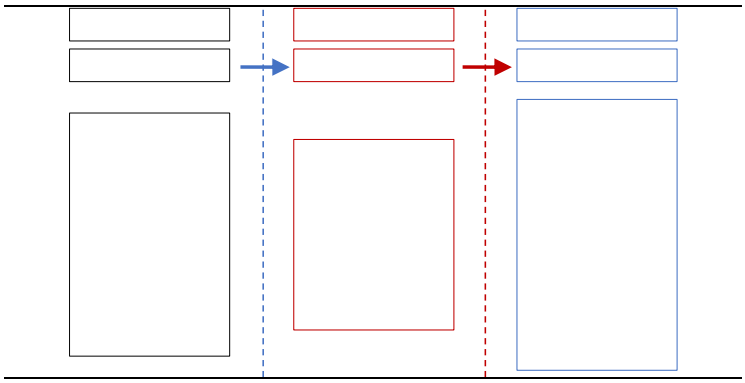
2016 42.2

1266

0.5%

262 1500

7



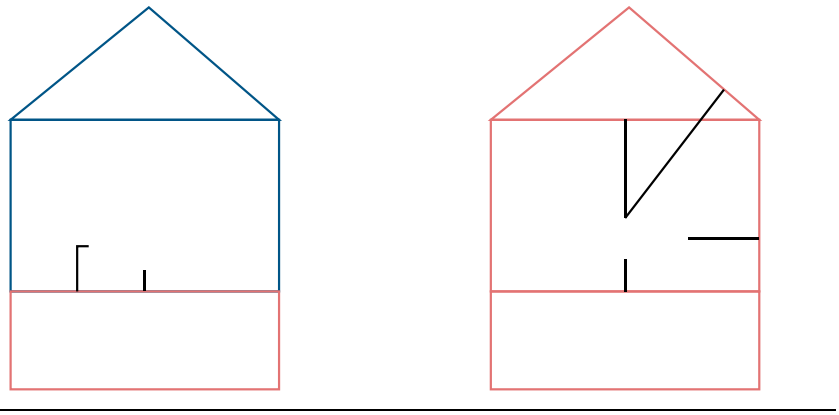
70%

10

10 20

200

8



,

2015 975

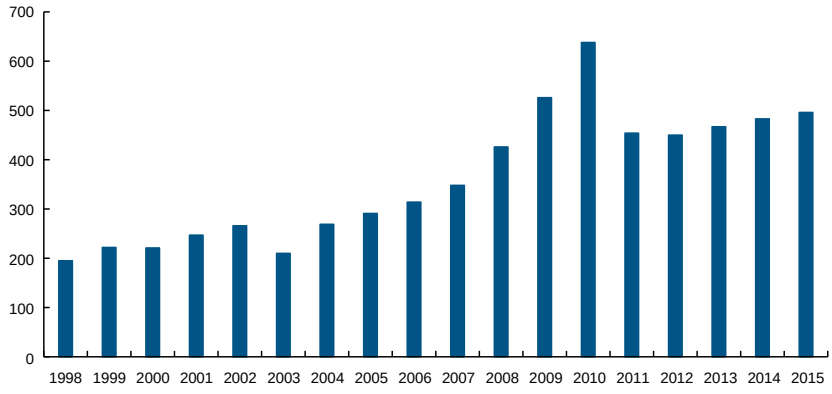
2000

2016

2000 988 560

1500

9 2015 10 496



Wind, 2011

32.15%

32.83% 2014-2016

1

2014	1,249,826.35	374,948.00	167,255.00	207,693.00
2015	1,239,717.64	371,915.00	177,468.00	194,447.00
2016	1,264,219.92	379,265.98	189,780.00	189,485.98

4000

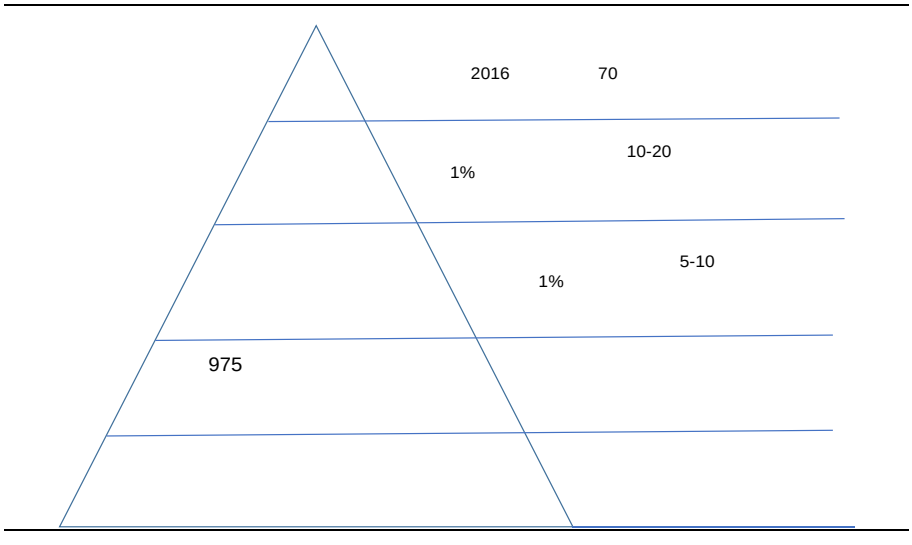
35%

7%

10-20

5-10

11

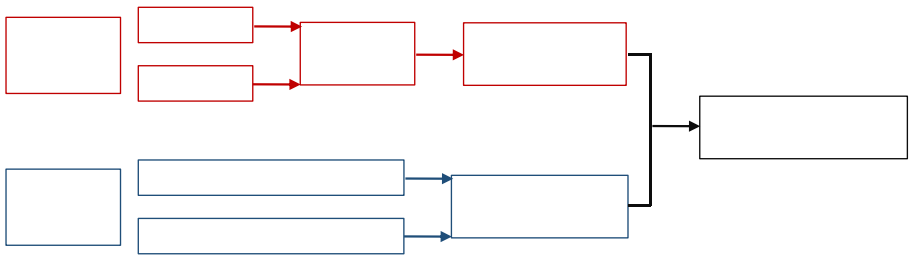


,

2

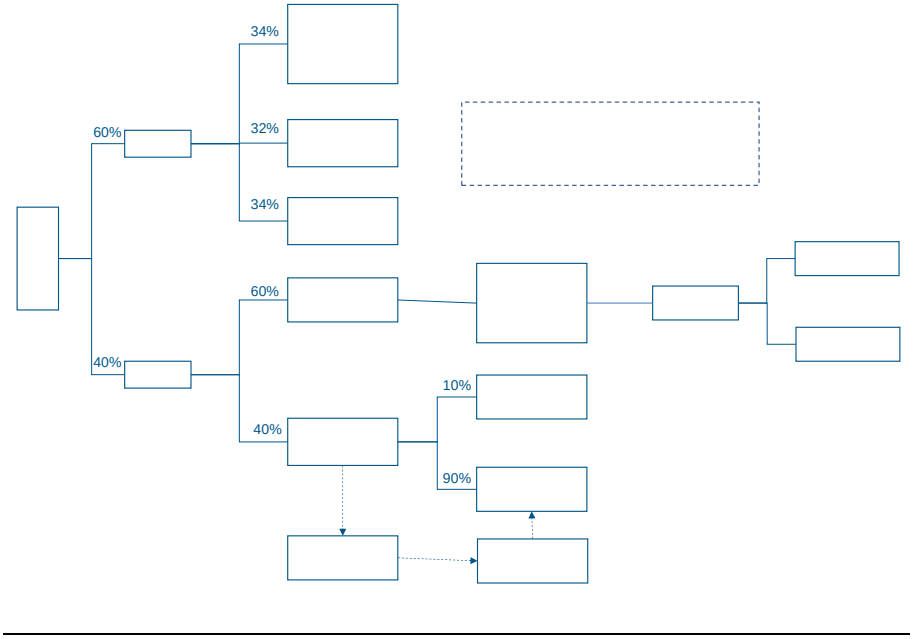
			2016
	1998 2002 2008	1.8 36.5	700023
	1996	1.48 16 2100 20	147341
	1999		125000
	1996		175000
	2000	1 5 600	50562
	2004	5 2	55000
	1999 1985 1989		90000
	2009	2000 500 1.2 3300	26896
	2007		5517
	2011		6007
	2005		13336

2010



,

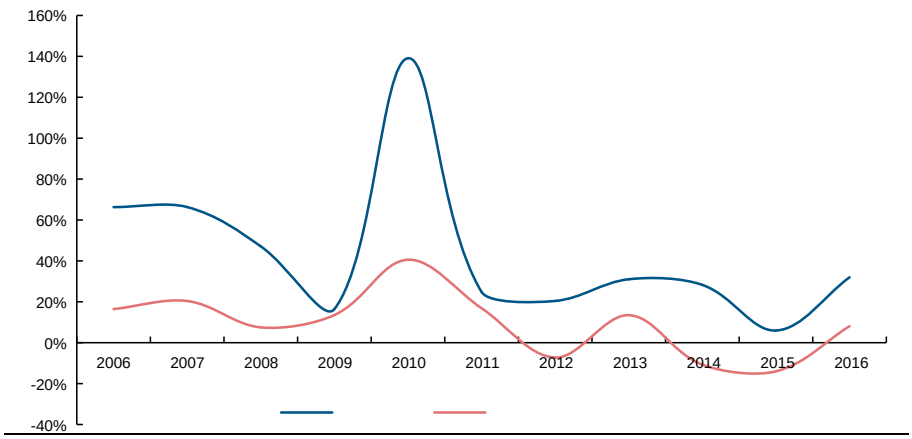
13



Wind

2010

14



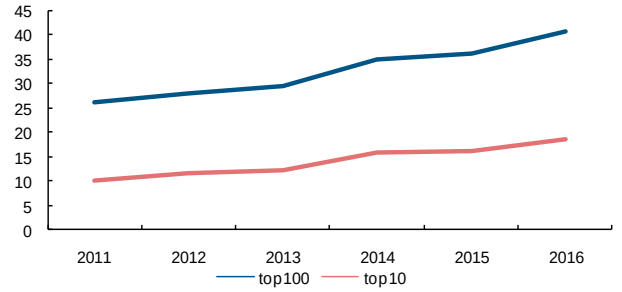
Wind,

2016 131 2015

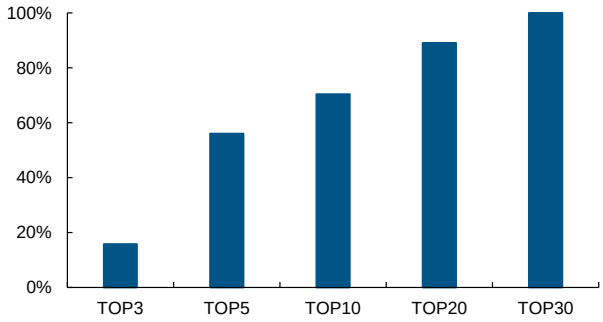
27 5.7 50%

10-20%

15



16 2017 1-10 TOP30



,

,

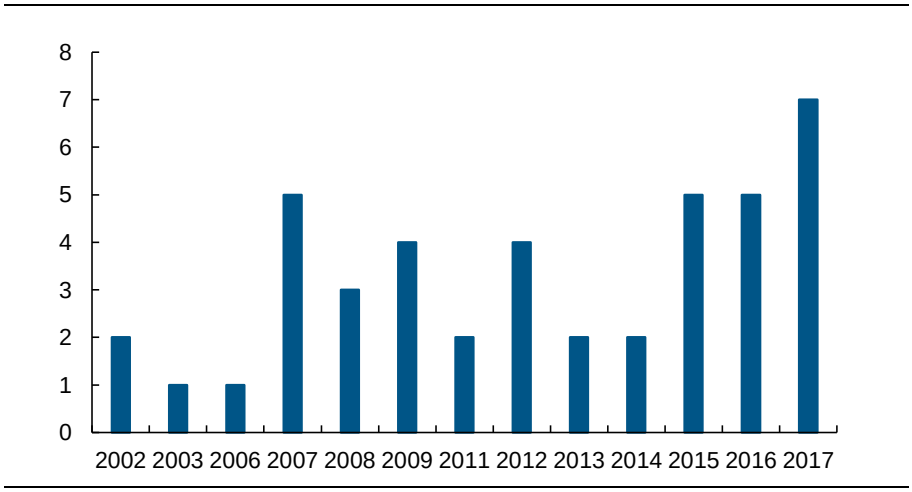
2009 8

4

	2008	2009	2010	2011	2012	2013	2014	2015	2016
/	2362	2424	10832	26071	36628	38503	45951	44391	42256
	29.35%	2.62%	346.86%	140.69%	40.49%	5.12%	19.34%	-3.39%	-4.81%

Wind

17



5

2008
2012
2013
2014
2015
2016

,

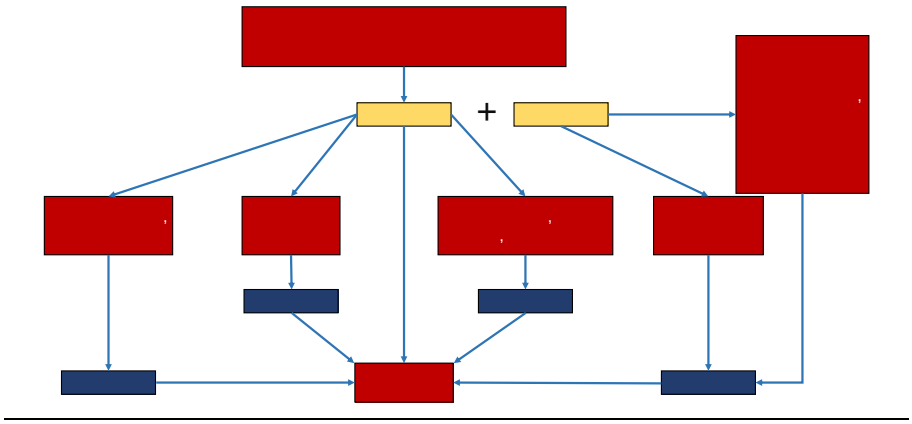
6 2016

1	30%
2	15%
3	14%
4	9%
5	5%
6	5%
7	4%
8	4%
9	3%
10	2%

,

2008

18



,

7

2014	138.98	94.02	88.56
2015	126.65	71.03	99.63
2016	128.85	67.58	101.34

Wind

19 4

,

2006 2007

2010

2009 2016 PS

8 2009 2010

2010	2009

2012 2016

25% 2016 1112

9

	1800		34352
5.24%			
	6,504.40		83,069.34
7.83%			

Wind,

10 2017

( )	(%)		
260,514,304	29.51	A ,A	
53,457,768	6.06	A ,A	
11,573,718	1.31	A ,A	

Wind, 2018 1 9 5283 5.99%

2016 32%

2015 30%

11 2016 28.3%

			( )	
2015	2.23	1281	17.44	
2016	3.33	1488	22.36	28.25%

Wind

2016

12

A	B	C

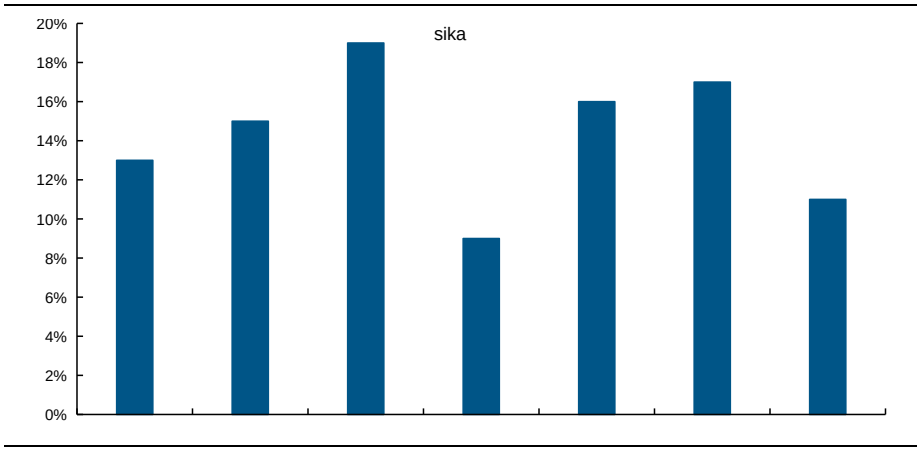
500	5	200	5	100	5
2500		1000		500	

2008 8	2.29	1000 1 , 1000 , 500 1	
2011 1	4.72	1000 4 , 1,000 2 , , 1000 , 1000	
2014 8	12.73	4000 4 , 2000 4 , 9 , 2000 , 1 , 2.4	
2017 10	18.4	2040 10 2400 4 20 1000 TPO	

1910 20 70

1980

90



Bloomberg,

2011

2011 8 40

2013

2014 7 80

2015 4

2015 5

2016 12 DAWASIA

14

2013

40

	40
，	2015 80
DAW	2016 DAW ASIA

2016 +

2017 101.94

46.2% 12.44 20.95% 2018

2017

2018

2018/2019 17.2 23.7 PE24 18

1.

2.

3.

2016

2016 SBS/APP 51451

26449 2016 12

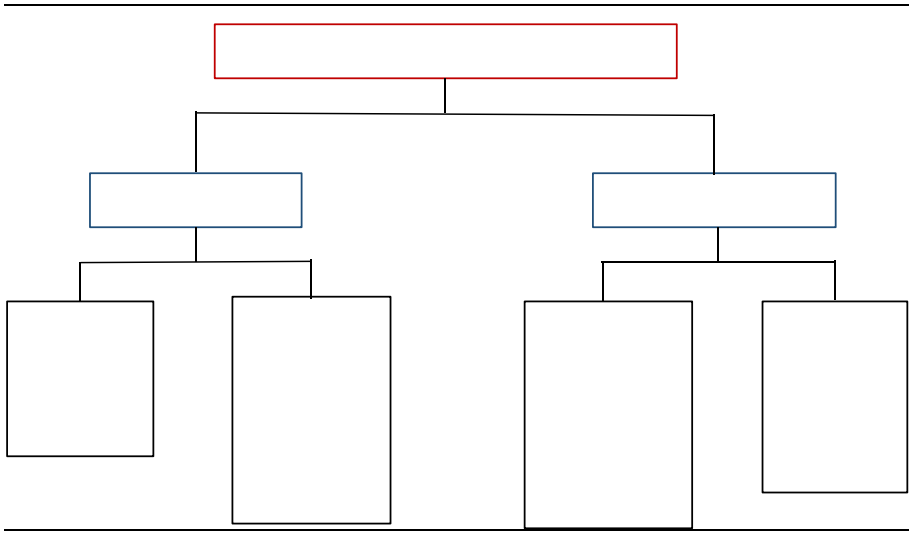
28800 / 5100 /

15

2010	(2010)
2011	
2011	
2013	
2013	2011
2013	(2013)

2013	
2014	(2014-2020)
2014	
2014	
2014	< >
2015	(2014)
2015	([2015]37)
2015	[2015]61
2015	[2015]75
2016	
2016	(2016-2017)
2016	
2016	
2016	(2016-2020)
2016	

23



,

80

2000 20

70 1983

16

70	1983
	60%
	15%
2010	7%
	10
	15%

2003 2012

2015

B2C

60 70

80 90

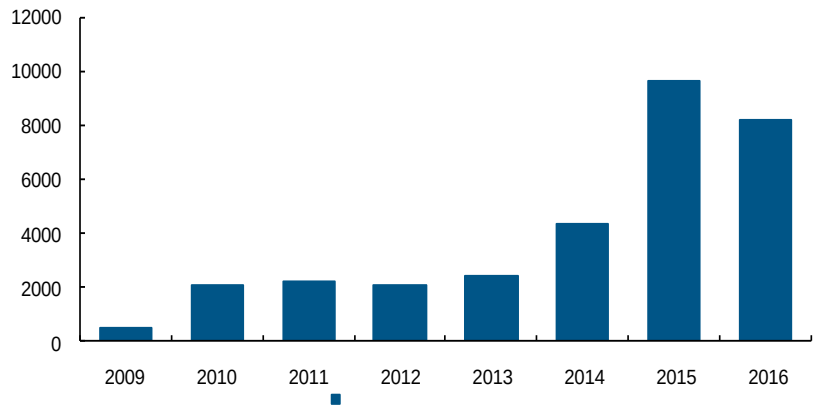
2013

2013

50% 2016 9

2013

26 2014



Wind,

2013

500 2013

2 2015 10 2016 54

27

2013

1050

2015 5 2016

DAW

2016

283 2007~2016 10%

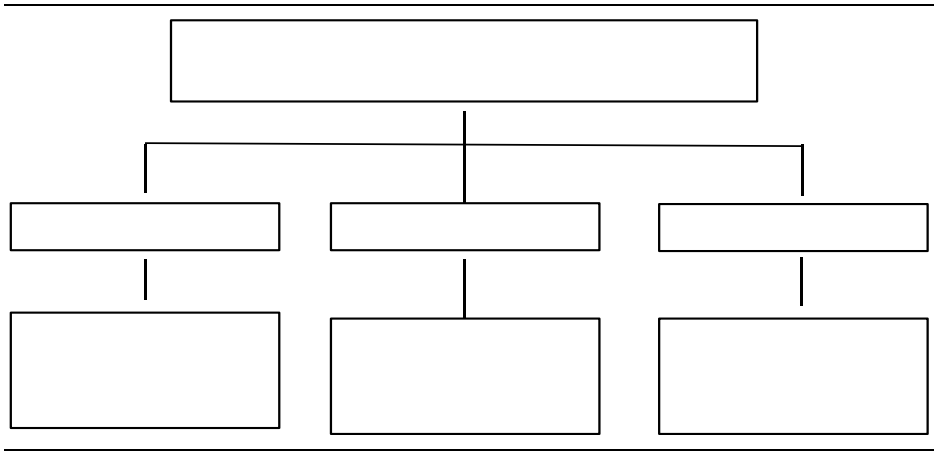
DAW ASIA

2016 1200

2015 5

PE

28



12	300
12	300
10%	
5% 10%	

1198 29 200122

8 11 430015

33 15 100032

6 18 518000

10060000

1198 29 200122

8 11 430015

33 15 100032

6 18 518000

10060000