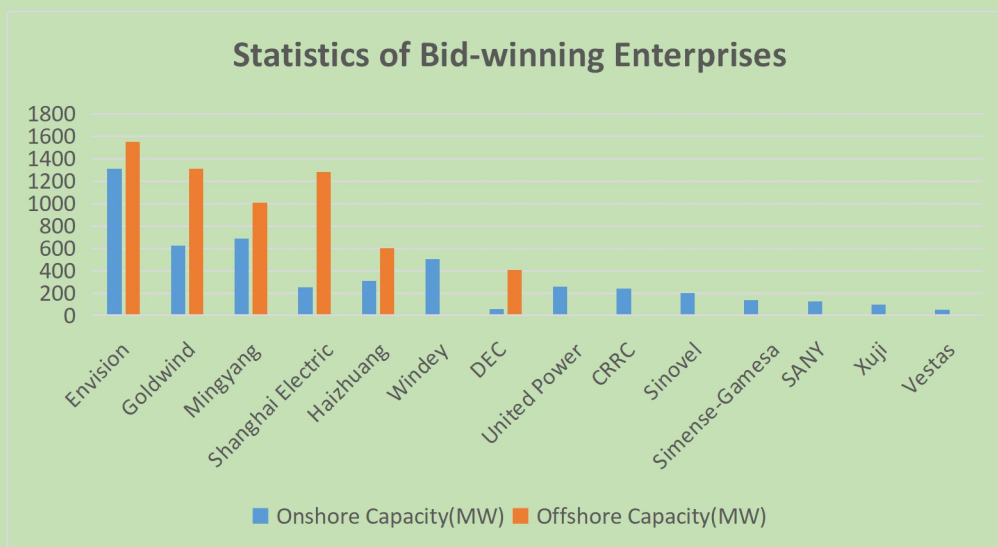


Wind Turbine Procurement Statistics of State Owned Energy Enterprises in the First Half of 2020-Chinese Market

According to public data, in the first half of 2020 (from January 1 to June 30), the bidding results of 111 wind turbine projects were released, and the cumulative capacity reached 11050.9MW.

Table 1

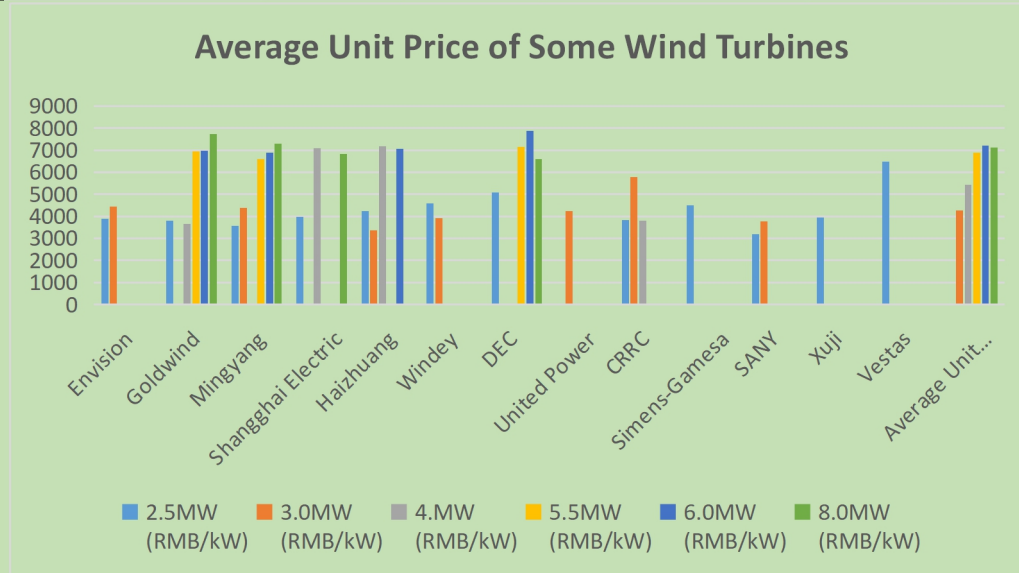
Statistics of Bid-winning Enterprises				
Enterprises	Total Capacity (MW)	Project Number	Onshore Capacity (MW)	Offshore Capacity (MW)
Envision	2861	30	1311	1550
Goldwind	1933.3	19	625.3	1308
Mingyang	1692.3	14	684.3	1008
Shanghai Electric	1531.5	7	249.5	1282
Haizhuang	908.8	8	306.8	602
Windey	501	9	501	0
DEC	464.5	5	57.5	407
United Power	257.5	5	257.5	0
CRRC	237.5	4	237.5	0
Sinovel	200	1	200	0
Simense-Gamesa	136.5	3	136.5	0
SANY	127.5	3	127.5	0
Xuji	99.5	2	99.5	0
Vestas	50	1	50	0
Total	11000.9	111	4843.9	6157



Among the 11050.9MW, domestic wind turbines have the absolute advantage. Only 186.5MW are provided by foreign enterprises, including 50MW provided by Vestas and 136.5MW provided by Siemens-Gamesa.

Table 2

Average Unit Price of Some Wind Turbines						
Enterprises	2.5MW (RMB/kW)	3.0MW (RMB/kW)	4. MW (RMB/kW)	5.5MW (RMB/kW)	6.0MW (RMB/kW)	8.0MW (RMB/kW)
Envision	3880	4444				
Goldwind	3804		3652	6949	6980	7716
Mingyang	3554	4379		6583	6877	7299
Shangghai Electric	3963		7081			6830
Haizhuang	4251	3356	7180		7061	
Windey	4587	3922				
DEC	5080			7143	7880	6590
United Power		4245				
CRRC	3820	5786	3800			
Simens-Gamesa	4499					
SANY	3193	3765				
Xuji	3945					
Vestas	6475					
Average Unit Price	4007*	4271	5428	6891	7199	7108



*Average price of the wind turbines provided by Chinese suppliers.

** The average price differs according to the range of the scope of supply.

From table 2, it can be seen that the average price of 2.5MW wind turbine is about 4254 RMB/kW in the first half of 2020, while the average price of domestic 2.5MW wind turbine is about 4007 RMB/kW, which shows obvious price advantage of domestic wind turbine. Compared with domestic wind turbines, the lack of sufficient

price competitiveness is one of the reasons why foreign wind turbines are difficult to expand in the domestic wind turbine market.

Among the wind power bidding projects opened in the first half of 2020, the scalar of 2.5MW wind turbine is 2005.8MW, ranking first. 3.0MW unit is closely followed by 1772MW.

In terms of offshore wind power, the more mature 4.0MW~ 6.0MW offshore wind turbine is still the main choice of developers at this stage. Meanwhile, Goldwind, Mingyang and DEC also won the bid for 7.0MW and 8.0MW offshore wind turbines. Developers are gradually considering larger MW offshore wind turbines.

Table 3

Statistics of Bid-winning Enterprises				
Enterprises	Total Capacity (MW)	Project Number	Onshore Capacity (MW)	Offshore Capacity (MW)
Envision	2861	30	1311	1550
Goldwind	1933.3	19	625.3	1308
Mingyang	1692.3	14	684.3	1008
Shanghai Electric	1531.5	7	249.5	1282
Haizhuang	908.8	8	306.8	602
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Simense-Gamesa	136.5	3	136.5	0
SANY	127.5	3	127.5	0
Xuji	99.5	2	99.5	0
Vestas	50	1	50	0
Total	11000.9	111	4843.9	6157

As can be seen from table 3, the bid winning scale of onshore wind turbine is 4843.9, accounting for 44.03%; the bid winning scale of offshore wind turbine is 6157MW, accounting for 55.97%. In the first half of 2020, Envision is the champion of both onshore and offshore market.

Under the premise of mature technology, the lower power cost of large MW wind turbine will become one of the reasons for the future offshore wind power project developers to choose, which is also the inevitable trend of wind turbine development.

NOTE: The information and data in the statics are collected by minds:connected from the public source and translated i to English. It is not approved by any official institutions. In case errors or problems are found, please contact us or notice us for correction or updates.