

华能大连市庄河海上风电场址IV1项目

界址点坐标

单桩基础风机用海范围（CGCS2000）：（圆心点坐标点 1-2-…-50-51）总面积 46.5111 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 22' 26.772"	123° 18' 30.428"	27	39° 23' 45.341"	123° 25' 43.985"
2	39° 22' 26.775"	123° 19' 01.552"	28	39° 23' 57.838"	123° 26' 11.263"
3	39° 22' 26.776"	123° 19' 32.677"	29	39° 24' 10.333"	123° 26' 38.544"
4	39° 22' 26.775"	123° 20' 03.802"	30	39° 24' 22.826"	123° 27' 05.827"
5	39° 22' 26.771"	123° 20' 34.927"	31	39° 24' 35.317"	123° 27' 33.114"
6	39° 22' 26.765"	123° 21' 05.929"	32	39° 24' 47.806"	123° 28' 00.403"
7	39° 23' 20.515"	123° 22' 45.636"	33	39° 25' 00.294"	123° 28' 27.694"
8	39° 23' 42.051"	123° 23' 12.839"	34	39° 25' 12.780"	123° 28' 54.988"
9	39° 24' 03.584"	123° 23' 40.050"	35	39° 25' 25.263"	123° 29' 22.285"
10	39° 25' 05.674"	123° 24' 04.180"	36	39° 25' 37.853"	123° 29' 49.819"
11	39° 21' 15.250"	123° 18' 16.376"	37	39° 26' 26.737"	123° 24' 04.181"
12	39° 21' 15.251"	123° 18' 40.474"	38	39° 26' 26.748"	123° 24' 28.854"
13	39° 21' 15.251"	123° 19' 04.574"	39	39° 26' 26.741"	123° 24' 53.526"
14	39° 21' 15.250"	123° 19' 28.673"	40	39° 26' 26.765"	123° 25' 18.202"
15	39° 21' 15.247"	123° 19' 52.772"	41	39° 26' 26.772"	123° 25' 42.871"
16	39° 21' 15.243"	123° 20' 16.857"	42	39° 26' 26.777"	123° 26' 07.544"
17	39° 21' 27.761"	123° 20' 44.103"	43	39° 26' 26.781"	123° 26' 32.216"
18	39° 21' 40.277"	123° 21' 11.351"	44	39° 26' 26.784"	123° 26' 56.889"
19	39° 21' 52.792"	123° 21' 38.603"	45	39° 26' 26.784"	123° 27' 21.561"
20	39° 22' 05.303"	123° 22' 05.858"	46	39° 26' 26.784"	123° 27' 46.233"
21	39° 22' 17.815"	123° 22' 33.113"	47	39° 26' 26.782"	123° 28' 10.906"
22	39° 22' 30.324"	123° 23' 00.373"	48	39° 26' 26.778"	123° 28' 35.578"
23	39° 22' 42.832"	123° 23' 27.634"	49	39° 26' 26.773"	123° 29' 00.251"
24	39° 22' 55.337"	123° 23' 54.899"	50	39° 26' 26.765"	123° 29' 24.921"

25	39° 23' 07.841"	123° 24' 22.167"	51	39° 26' 26.758"	123° 29' 49.816"
26	39° 23' 32.843"	123° 25' 16.709"			

升压平台用海范围（CGCS2000）：（坐标点 1-2-…-18-19-1 连线范围内）面积 1.9600 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 24' 53.958"	123° 24' 57.335"	11	39° 24' 55.139"	123° 25' 03.266"
2	39° 24' 54.395"	123° 24' 57.678"	12	39° 24' 55.500"	123° 25' 02.503"
3	39° 24' 50.817"	123° 25' 01.165"	13	39° 24' 55.728"	123° 24' 58.725"
4	39° 24' 52.189"	123° 24' 58.262"	14	39° 24' 56.366"	123° 24' 59.226"
5	39° 24' 52.222"	123° 25' 02.824"	15	39° 24' 54.971"	123° 24' 58.130"
6	39° 24' 51.651"	123° 25' 02.376"	16	39° 24' 52.988"	123° 24' 56.572"
7	39° 24' 52.294"	123° 25' 02.881"	17	39° 24' 50.625"	123° 25' 01.570"
8	39° 24' 54.346"	123° 25' 04.492"	18	39° 24' 54.502"	123° 25' 04.615"
9	39° 24' 54.756"	123° 25' 04.076"	19	39° 24' 56.864"	123° 24' 59.618"
10	39° 24' 55.096"	123° 25' 03.358"			

220KV 登陆海底电缆一用海范围（CGCS2000）：（坐标点 1-2-…-13-14-1 连线范围内）面积 34.5618 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 24' 54.687"	123° 24' 57.073"	8	39° 33' 02.095"	123° 21' 44.847"
2	39° 24' 54.495"	123° 24' 57.210"	9	39° 33' 01.594"	123° 21' 44.757"
3	39° 24' 54.395"	123° 24' 57.678"	10	39° 33' 01.581"	123° 21' 44.755"
4	39° 24' 54.971"	123° 24' 58.130"	11	39° 33' 01.568"	123° 21' 44.751"
5	39° 24' 55.048"	123° 24' 57.772"	12	39° 33' 01.419"	123° 21' 44.708"
6	39° 26' 29.541"	123° 23' 50.598"	13	39° 32' 09.799"	123° 23' 51.698"
7	39° 32' 10.190"	123° 23' 52.538"	14	39° 26' 29.376"	123° 23' 49.761"

220KV 登陆海底电缆二用海范围（CGCS2000）：（坐标点 1-2-…-8-9-1 连线范围内）面积 34.6127 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 24' 55.728"	123° 24' 58.725"	6	39° 33' 03.496"	123° 21' 45.070"
2	39° 24' 56.366"	123° 24' 59.226"	7	39° 33' 03.126"	123° 21' 45.011"

3	39° 26' 29.951"	123° 23' 52.691"	8	39° 32' 10.776"	123° 23' 53.798"
4	39° 32' 11.167"	123° 23' 54.638"	9	39° 26' 29.785"	123° 23' 51.854"
5	39° 33' 03.790"	123° 21' 45.182"			

220KV 登陆海底电缆三用海范围 (CGCS2000) : (坐标点 1-2-...
-38-39-1 连线范围内) 面积 100.7003 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 33' 05.037"	123° 21' 40.307"	21	39° 33' 38.834"	123° 20' 12.571"
2	39° 33' 05.425"	123° 21' 40.340"	22	39° 33' 03.393"	123° 21' 39.847"
3	39° 33' 05.456"	123° 21' 40.345"	23	39° 33' 03.884"	123° 21' 40.031"
4	39° 33' 05.731"	123° 21' 40.403"	24	39° 33' 04.035"	123° 21' 40.071"
5	39° 33' 41.107"	123° 20' 13.284"	25	39° 33' 39.483"	123° 20' 12.775"
6	39° 33' 39.319"	123° 14' 24.729"	26	39° 33' 37.698"	123° 14' 24.799"
7	39° 33' 37.478"	123° 13' 45.178"	27	39° 33' 35.850"	123° 13' 45.082"
8	39° 33' 48.289"	123° 13' 15.478"	28	39° 33' 46.864"	123° 13' 14.470"
9	39° 33' 57.467"	123° 12' 57.227"	29	39° 33' 56.122"	123° 12' 55.527"
10	39° 39' 45.118"	123° 10' 55.317"	30	39° 39' 44.784"	123° 10' 53.261"
11	39° 40' 11.737"	123° 10' 50.139"	31	39° 40' 12.028"	123° 10' 47.961"
12	39° 40' 18.921"	123° 10' 53.612"	32	39° 40' 17.398"	123° 10' 51.980"
13	39° 40' 20.778"	123° 10' 53.574"	33	39° 40' 11.807"	123° 10' 49.277"
14	39° 40' 20.788"	123° 10' 53.548"	34	39° 39' 44.984"	123° 10' 54.494"
15	39° 40' 12.156"	123° 10' 47.087"	35	39° 33' 57.058"	123° 12' 56.502"
16	39° 39' 44.650"	123° 10' 52.438"	36	39° 33' 47.721"	123° 13' 15.070"
17	39° 33' 55.709"	123° 12' 54.804"	37	39° 33' 36.821"	123° 13' 45.015"
18	39° 33' 46.293"	123° 13' 14.068"	38	39° 33' 38.671"	123° 14' 24.757"
19	39° 33' 35.193"	123° 13' 44.921"	39	39° 33' 40.458"	123° 20' 13.080"
20	39° 33' 37.050"	123° 14' 24.827"			

35KV 场区海底电缆用海范围 (CGCS2000) : (坐标点 1-2-...
-253-254) 总面积 182.9647 公顷

序号	北纬	东经	序号	北纬	东经
1	39° 22' 26.441"	123° 21' 08.131"	32	39° 22' 26.452"	123° 19' 30.475"
2	39° 22' 26.433"	123° 21' 37.930"	33	39° 22' 27.101"	123° 19' 30.475"
3	39° 23' 19.067"	123° 22' 44.391"	34	39° 22' 27.100"	123° 19' 03.755"
4	39° 23' 19.520"	123° 22' 43.794"	35	39° 22' 26.452"	123° 19' 34.879"
5	39° 22' 27.081"	123° 21' 37.579"	36	39° 22' 26.451"	123° 20' 01.600"
6	39° 22' 27.089"	123° 21' 08.131"	37	39° 22' 27.099"	123° 20' 01.600"
7	39° 23' 21.511"	123° 22' 47.479"	38	39° 22' 27.101"	123° 19' 34.879"
8	39° 23' 40.602"	123° 23' 11.596"	39	39° 22' 26.451"	123° 20' 06.004"
9	39° 23' 41.055"	123° 23' 10.998"	40	39° 22' 26.447"	123° 20' 32.724"
10	39° 23' 21.964"	123° 22' 46.881"	41	39° 22' 27.096"	123° 20' 32.725"
11	39° 23' 43.046"	123° 23' 14.683"	42	39° 22' 27.099"	123° 20' 06.004"
12	39° 24' 02.139"	123° 23' 38.809"	43	39° 22' 26.157"	123° 20' 37.027"
13	39° 24' 02.592"	123° 23' 38.212"	44	39° 22' 22.226"	123° 21' 05.993"
14	39° 23' 43.499"	123° 23' 14.086"	45	39° 22' 22.034"	123° 21' 39.982"
15	39° 24' 04.542"	123° 23' 41.917"	46	39° 24' 15.855"	123° 24' 03.754"
16	39° 24' 22.215"	123° 24' 05.296"	47	39° 24' 46.344"	123° 24' 52.714"
17	39° 25' 03.974"	123° 24' 04.626"	48	39° 24' 50.706"	123° 24' 57.687"
18	39° 25' 03.966"	123° 24' 03.790"	49	39° 24' 45.731"	123° 24' 53.732"
19	39° 24' 22.485"	123° 24' 04.456"	50	39° 24' 15.132"	123° 24' 04.597"
20	39° 24' 05.008"	123° 23' 41.335"	51	39° 22' 20.999"	123° 21' 40.429"
21	39° 25' 04.908"	123° 24' 06.188"	52	39° 21' 16.357"	123° 19' 06.329"
22	39° 24' 53.958"	123° 24' 57.335"	53	39° 21' 15.786"	123° 19' 06.726"
23	39° 24' 54.395"	123° 24' 57.678"	54	39° 22' 20.475"	123° 21' 40.937"
24	39° 24' 54.495"	123° 24' 57.210"	55	39° 24' 14.651"	123° 24' 05.159"
25	39° 24' 54.687"	123° 24' 57.073"	56	39° 24' 45.295"	123° 24' 54.368"
26	39° 25' 05.533"	123° 24' 06.410"	57	39° 24' 50.164"	123° 24' 58.238"
27	39° 22' 26.448"	123° 18' 32.630"	58	39° 24' 44.624"	123° 24' 55.294"
28	39° 22' 26.451"	123° 18' 59.350"	59	39° 24' 13.929"	123° 24' 06.002"
29	39° 22' 27.100"	123° 18' 59.350"	60	39° 22' 19.623"	123° 21' 41.617"
30	39° 22' 27.097"	123° 18' 32.630"	61	39° 21' 16.679"	123° 20' 18.161"
31	39° 22' 26.451"	123° 19' 03.755"	62	39° 21' 16.213"	123° 20' 18.742"

序号	北纬	东经	序号	北纬	东经
63	39° 22' 19.164"	123° 21' 42.207"	94	39° 21' 15.576"	123° 18' 42.695"
64	39° 24' 13.447"	123° 24' 06.564"	95	39° 21' 14.925"	123° 19' 30.894"
65	39° 24' 44.223"	123° 24' 55.985"	96	39° 21' 14.923"	123° 19' 50.551"
66	39° 24' 51.291"	123° 24' 59.741"	97	39° 21' 15.572"	123° 19' 50.552"
67	39° 24' 44.075"	123° 24' 58.605"	98	39° 21' 15.574"	123° 19' 30.894"
68	39° 23' 02.212"	123° 23' 56.321"	99	39° 21' 14.922"	123° 19' 54.993"
69	39° 22' 19.362"	123° 22' 23.351"	100	39° 21' 14.919"	123° 20' 14.636"
70	39° 22' 06.753"	123° 22' 07.129"	101	39° 21' 15.568"	123° 20' 14.637"
71	39° 22' 06.295"	123° 22' 07.722"	102	39° 21' 15.571"	123° 19' 54.993"
72	39° 22' 18.846"	123° 22' 23.868"	103	39° 21' 28.361"	123° 20' 46.229"
73	39° 23' 01.755"	123° 23' 56.967"	104	39° 21' 39.120"	123° 21' 09.653"
74	39° 24' 43.892"	123° 24' 59.419"	105	39° 21' 39.679"	123° 21' 09.229"
75	39° 24' 49.955"	123° 25' 00.373"	106	39° 21' 28.920"	123° 20' 45.805"
76	39° 24' 43.833"	123° 25' 00.693"	107	39° 21' 40.875"	123° 21' 13.474"
77	39° 22' 57.033"	123° 23' 55.472"	108	39° 21' 51.635"	123° 21' 36.904"
78	39° 22' 56.755"	123° 23' 56.227"	109	39° 21' 52.194"	123° 21' 36.480"
79	39° 24' 43.699"	123° 25' 01.537"	110	39° 21' 41.434"	123° 21' 13.050"
80	39° 24' 50.817"	123° 25' 01.165"	111	39° 21' 53.390"	123° 21' 40.726"
81	39° 24' 52.189"	123° 24' 58.262"	112	39° 22' 04.148"	123° 22' 04.158"
82	39° 24' 46.815"	123° 24' 52.135"	113	39° 22' 04.706"	123° 22' 03.733"
83	39° 24' 16.336"	123° 24' 03.192"	114	39° 21' 53.948"	123° 21' 40.301"
84	39° 22' 22.685"	123° 21' 39.633"	115	39° 22' 18.413"	123° 22' 35.237"
85	39° 22' 22.874"	123° 21' 06.068"	116	39° 22' 29.168"	123° 22' 58.673"
86	39° 22' 26.796"	123° 20' 37.170"	117	39° 22' 29.727"	123° 22' 58.249"
87	39° 21' 14.926"	123° 18' 18.592"	118	39° 22' 18.972"	123° 22' 34.812"
88	39° 21' 14.927"	123° 18' 38.254"	119	39° 22' 30.922"	123° 23' 02.496"
89	39° 21' 15.576"	123° 18' 38.254"	120	39° 22' 41.675"	123° 23' 25.935"
90	39° 21' 15.575"	123° 18' 18.592"	121	39° 22' 42.234"	123° 23' 25.511"
91	39° 21' 14.927"	123° 18' 42.695"	122	39° 22' 31.481"	123° 23' 02.072"
92	39° 21' 14.927"	123° 19' 02.353"	123	39° 22' 43.429"	123° 23' 29.758"
93	39° 21' 15.576"	123° 19' 02.353"	124	39° 22' 54.181"	123° 23' 53.199"

序号	北纬	东经	序号	北纬	东经
125	39° 22' 54.740"	123° 23' 52.775"	156	39° 24' 51.333"	123° 25' 05.979"
126	39° 22' 43.988"	123° 23' 29.334"	157	39° 24' 01.674"	123° 26' 08.715"
127	39° 23' 08.438"	123° 24' 24.291"	158	39° 24' 09.445"	123° 26' 36.594"
128	39° 23' 31.687"	123° 25' 15.009"	159	39° 24' 10.055"	123° 26' 36.311"
129	39° 23' 32.246"	123° 25' 14.585"	160	39° 24' 02.425"	123° 26' 08.937"
130	39° 23' 08.997"	123° 24' 23.867"	161	39° 24' 51.885"	123° 25' 06.453"
131	39° 23' 33.440"	123° 25' 18.834"	162	39° 24' 52.515"	123° 25' 04.420"
132	39° 23' 44.186"	123° 25' 42.284"	163	39° 24' 52.612"	123° 25' 07.289"
133	39° 23' 44.745"	123° 25' 41.860"	164	39° 24' 03.647"	123° 26' 09.149"
134	39° 23' 33.999"	123° 25' 18.410"	165	39° 24' 52.654"	123° 27' 56.187"
135	39° 23' 45.938"	123° 25' 46.109"	166	39° 24' 59.490"	123° 28' 25.684"
136	39° 23' 56.682"	123° 26' 09.562"	167	39° 25' 00.111"	123° 28' 25.446"
137	39° 23' 57.241"	123° 26' 09.138"	168	39° 24' 53.252"	123° 27' 55.850"
138	39° 23' 46.497"	123° 25' 45.685"	169	39° 24' 04.464"	123° 26' 09.287"
139	39° 23' 59.280"	123° 26' 09.977"	170	39° 24' 53.273"	123° 25' 07.625"
140	39° 24' 52.222"	123° 25' 02.824"	171	39° 24' 53.155"	123° 25' 04.135"
141	39° 24' 51.651"	123° 25' 02.376"	172	39° 24' 55.535"	123° 25' 07.217"
142	39° 23' 58.818"	123° 26' 09.390"	173	39° 26' 22.204"	123° 26' 07.680"
143	39° 24' 35.913"	123° 27' 35.239"	174	39° 26' 21.920"	123° 27' 46.252"
144	39° 24' 46.651"	123° 27' 58.701"	175	39° 26' 26.073"	123° 28' 08.864"
145	39° 24' 47.210"	123° 27' 58.277"	176	39° 26' 26.704"	123° 28' 08.671"
146	39° 24' 36.472"	123° 27' 34.815"	177	39° 26' 22.569"	123° 27' 46.155"
147	39° 24' 23.422"	123° 27' 07.952"	178	39° 26' 22.854"	123° 26' 07.183"
148	39° 24' 34.162"	123° 27' 31.412"	179	39° 24' 55.927"	123° 25' 06.540"
149	39° 24' 34.721"	123° 27' 30.988"	180	39° 24' 54.346"	123° 25' 04.492"
150	39° 24' 23.981"	123° 27' 07.529"	181	39° 25' 25.859"	123° 29' 24.411"
151	39° 24' 10.931"	123° 26' 40.672"	182	39° 25' 36.698"	123° 29' 48.117"
152	39° 24' 21.670"	123° 27' 04.126"	183	39° 25' 37.257"	123° 29' 47.693"
153	39° 24' 22.229"	123° 27' 03.702"	184	39° 25' 26.418"	123° 29' 23.988"
154	39° 24' 11.490"	123° 26' 40.249"	185	39° 25' 13.375"	123° 28' 57.114"
155	39° 24' 52.294"	123° 25' 02.881"	186	39° 25' 24.109"	123° 29' 20.583"

序号	北纬	东经	序号	北纬	东经
187	39° 25' 24.668"	123° 29' 20.159"	218	39° 26' 26.459"	123° 26' 54.691"
188	39° 25' 13.934"	123° 28' 56.691"	219	39° 26' 27.108"	123° 26' 54.691"
189	39° 25' 00.890"	123° 28' 29.820"	220	39° 26' 27.106"	123° 26' 34.414"
190	39° 25' 11.625"	123° 28' 53.286"	221	39° 26' 26.454"	123° 26' 09.742"
191	39° 25' 12.184"	123° 28' 52.863"	222	39° 26' 26.457"	123° 26' 30.018"
192	39° 25' 01.449"	123° 28' 29.396"	223	39° 26' 27.105"	123° 26' 30.018"
193	39° 26' 26.442"	123° 29' 27.121"	224	39° 26' 27.102"	123° 26' 09.742"
194	39° 26' 26.436"	123° 29' 47.620"	225	39° 24' 54.756"	123° 25' 04.076"
195	39° 26' 27.084"	123° 29' 47.621"	226	39° 24' 55.211"	123° 25' 04.348"
196	39° 26' 27.091"	123° 29' 27.121"	227	39° 26' 25.124"	123° 26' 06.868"
197	39° 26' 26.449"	123° 29' 02.448"	228	39° 26' 25.431"	123° 26' 06.132"
198	39° 26' 26.443"	123° 29' 22.725"	229	39° 24' 55.501"	123° 25' 03.600"
199	39° 26' 27.092"	123° 29' 22.725"	230	39° 24' 55.096"	123° 25' 03.358"
200	39° 26' 27.097"	123° 29' 02.449"	231	39° 26' 26.413"	123° 24' 06.379"
201	39° 26' 26.454"	123° 28' 37.776"	232	39° 26' 26.423"	123° 24' 26.656"
202	39° 26' 26.450"	123° 28' 58.052"	233	39° 26' 27.071"	123° 24' 26.656"
203	39° 26' 27.098"	123° 28' 58.053"	234	39° 26' 27.062"	123° 24' 06.379"
204	39° 26' 27.102"	123° 28' 37.776"	235	39° 26' 26.424"	123° 24' 31.052"
205	39° 26' 26.457"	123° 28' 13.104"	236	39° 26' 26.432"	123° 24' 51.328"
206	39° 26' 26.454"	123° 28' 33.380"	237	39° 26' 27.081"	123° 24' 51.328"
207	39° 26' 27.103"	123° 28' 33.380"	238	39° 26' 27.073"	123° 24' 31.052"
208	39° 26' 27.106"	123° 28' 13.104"	239	39° 26' 26.434"	123° 24' 55.724"
209	39° 26' 26.460"	123° 27' 23.759"	240	39° 26' 26.441"	123° 25' 16.001"
210	39° 26' 26.460"	123° 27' 44.035"	241	39° 26' 27.089"	123° 25' 16.001"
211	39° 26' 27.108"	123° 27' 44.036"	242	39° 26' 27.082"	123° 24' 55.724"
212	39° 26' 27.109"	123° 27' 23.759"	243	39° 26' 26.442"	123° 25' 20.397"
213	39° 26' 26.459"	123° 26' 59.087"	244	39° 26' 26.447"	123° 25' 40.673"
214	39° 26' 26.460"	123° 27' 19.363"	245	39° 26' 27.096"	123° 25' 40.673"
215	39° 26' 27.109"	123° 27' 19.363"	246	39° 26' 27.090"	123° 25' 20.397"
216	39° 26' 27.108"	123° 26' 59.087"	247	39° 24' 55.139"	123° 25' 03.266"
217	39° 26' 26.457"	123° 26' 34.414"	248	39° 24' 59.620"	123° 25' 04.363"

序号	北纬	东经	序号	北纬	东经
249	39° 26' 17.015"	123° 25' 58.353"	252	39° 26' 16.861"	123° 25' 57.295"
250	39° 26' 25.916"	123° 25' 44.819"	253	39° 24' 59.840"	123° 25' 03.566"
251	39° 26' 25.422"	123° 25' 44.277"	254	39° 24' 55.500"	123° 25' 02.503"