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## Marine Licence Application - Supporting Information

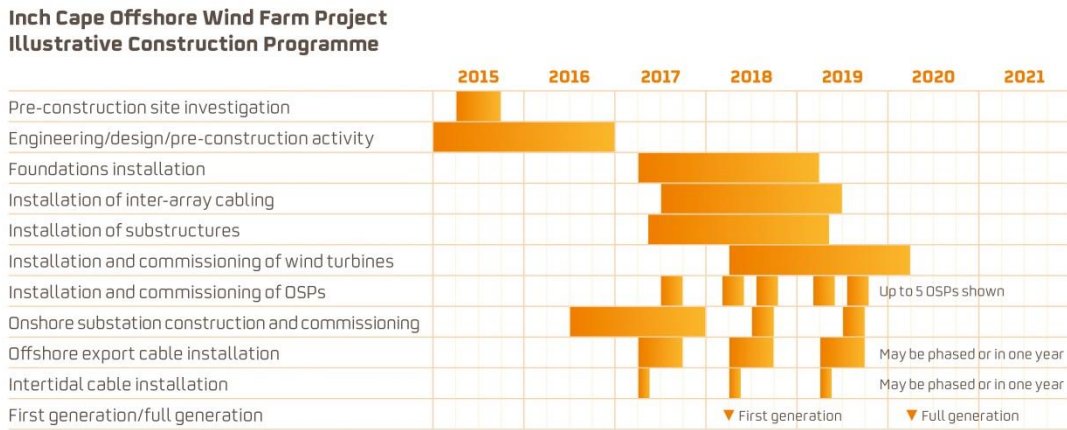
### 1 Question 5(b): Give a detailed description of the proposed schedule of work.

- 1 A detailed construction programme will be developed as design and procurement activities progress. The construction activities are expected to start in 2016 and work will occur over approximately four years. Activities may not be continuous and the sequence of activities may change. Engineering and procurement activities will precede the construction phase. The main construction activities, associated with the Offshore Transmission Works and Wind Farm, and their anticipated durations are outlined in Table 1 below. Activities wholly or partially associated with the Offshore Transmission Works have been highlighted in bold. An illustrative activity bar chart is shown in Figure 1 below.

**Table 1: Main Construction Activities and Anticipated Durations**

<b>Main Construction Activity</b>	<b>Anticipated Duration</b>
Pre-construction surveys and investigation	<b>6 months</b>
Foundation installation and associated site preparation	<b>2 years</b>
Inter-array cable installation	2 years
Installation of Substructures	<b>2 years</b>
Installation and commissioning of WTGs	2 years
Installation and commissioning of meteorological masts	2 months
Installation and commissioning of OSPs	<b>3 months</b>
Export cable installation (excluding intertidal)	<b>9 months</b>
Intertidal cable installation	<b>6 months</b>

**Figure 1: Illustrative Construction Programme**



All durations are shown as windows for illustration.  
Activities will not be continuous during these windows.  
Overall durations may increase or decrease and the sequence may change.  
Start and finish dates may change.

- 2 Where a number of activities are expected to occur concurrently the implications of such overlaps have been considered in the appropriate chapters of this ES (see Inch Cape Offshore Limited Environmental Statement).
- 3 The nature of offshore work requires operations to be planned on a 24 hours, seven days a week basis, however work will not be continuous over the whole construction programme. All of the above durations are subject to change which may arise, for example, from weather, site conditions, equipment lead times and supply programmes, sequential work requirements, and logistical issues.

2 Question 6: Location of the Project

4 Figure 2 presents the location of the Offshore Transmission Works for the Inch Cape Offshore Wind Farm. The coordinates of the boundary of the Offshore Export Cable, in which the Offshore Transmission Works will take place, are listed in Table 2.

Figure 2: Offshore Transmission Works

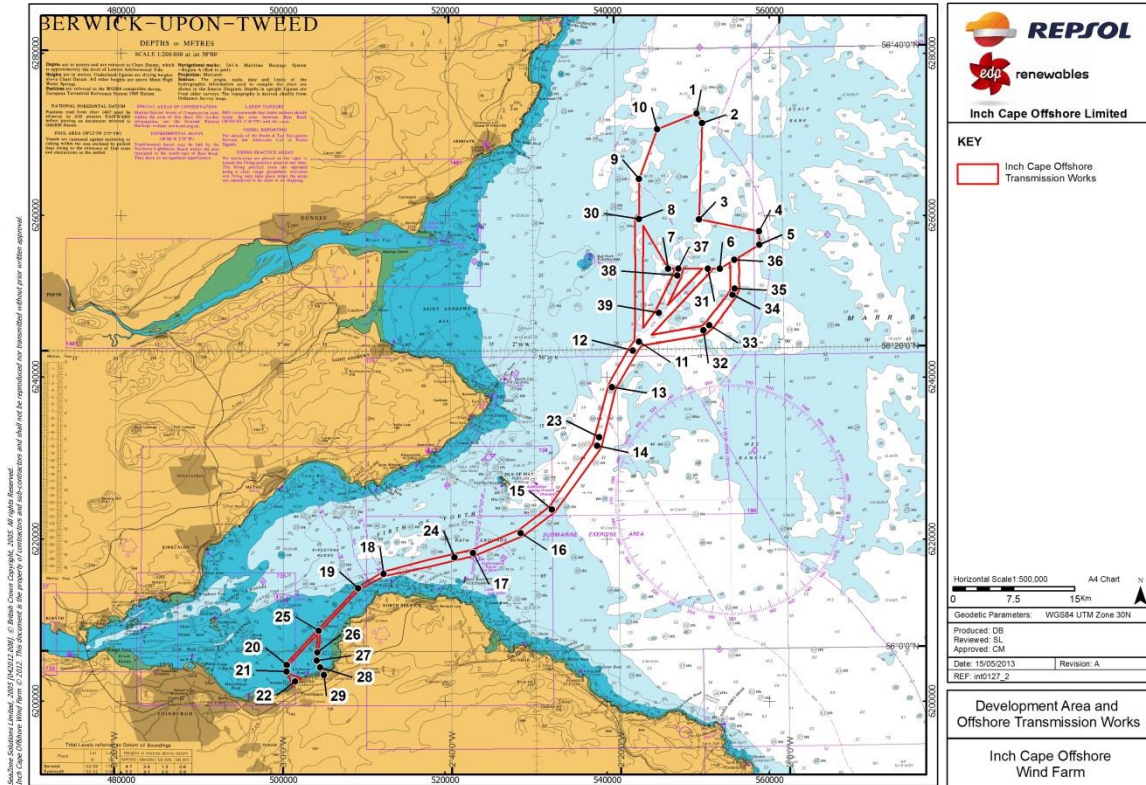


Table 2: Offshore Transmission Works location coordinates

Map ID	Latitude (Degrees, minutes, decimal minutes)	Longitude (Degrees, minutes, decimal minutes)	UTM30N X (Metres)	UTM30N Y (Metres)
1	56° 35.678' N	2° 10.138' W	551030.83	6272572.71
2	56° 35.039' N	2° 9.502' W	551695.53	6271394.72
3	56° 28.632' N	2° 10.002' W	551327.93	6259504.04
4	56° 27.796' N	2° 2.839' W	558702.82	6258048.70
5	56° 26.892' N	2° 2.814' W	558752.07	6256371.62
6	56° 25.339' N	2° 7.558' W	553914.93	6253426.82

Map ID	Latitude (Degrees, minutes, decimal minutes)	Longitude (Degrees, minutes, decimal minutes)	UTM30N X (Metres)	UTM30N Y (Metres)
7	56" 25.381' N	2" 13.808' W	547488.31	6253426.79
8	56" 28.695' N	2" 17.228' W	543908.47	6259537.81
9	56" 31.383' N	2" 17.178' W	543908.51	6264523.50
10	56" 34.660' N	2" 14.929' W	546148.24	6270627.93
11	56" 20.542' N	2" 17.382' W	543906.77	6244411.96
12	56" 19.950' N	2" 18.145' W	543131.83	6243304.57
13	56" 17.534' N	2" 20.674' W	540568.96	6238798.46
14	56" 13.640' N	2" 22.520' W	538729.65	6231557.11
15	56" 9.403' N	2" 27.965' W	533163.81	6223650.09
16	56" 7.854' N	2" 31.684' W	529333.72	6220749.64
17	56" 6.551' N	2" 37.407' W	523418.75	6218295.41
18	56" 5.191' N	2" 48.060' W	512383.53	6215726.15
19	56" 4.222' N	2" 51.061' W	509274.84	6213920.92
20	55" 59.130' N	2" 59.580' W	500436.61	6204465.36
21	55" 58.693' N	2" 59.595' W	500420.74	6203655.74
22	55" 58.033' N	2" 58.586' W	501471.47	6202432.04
23	56" 14.191' N	2" 22.259' W	538990.05	6232582.31
24	56" 6.271' N	2" 39.609' W	521138.54	6217764.52
25	56" 1.414' N	2" 55.765' W	504399.93	6208705.50
26	55" 59.971' N	2" 55.951' W	504208.61	6206027.50
27	55" 59.426' N	2" 56.006' W	504152.29	6205016.94
28	55" 58.955' N	2" 55.600' W	504575.47	6204144.19
29	55" 58.470' N	2" 55.182' W	505011.77	6203244.39
30	56" 28.695' N	2" 17.228' W	543908.47	6259537.81
31	56" 25.349' N	2" 9.011' W	552421.20	6253426.81

Map ID	Latitude (Degrees, minutes, decimal minutes)	Longitude (Degrees, minutes, decimal minutes)	UTM30N X (Metres)	UTM30N Y (Metres)
32	56" 21.240' N	2" 9.649' W	551858.06	6245795.89
33	56" 21.586' N	2" 8.919' W	552601.60	6246446.49
34	56" 23.595' N	2" 6.096' W	555459.59	6250210.67
35	56" 23.994' N	2" 5.839' W	555715.18	6250954.21
36	56" 25.909' N	2" 5.818' W	555690.19	6254507.58
37	56" 25.373' N	2" 12.535' W	548797.25	6253426.88
38	56" 24.910' N	2" 12.704' W	548633.96	6252567.15
39	56" 22.433' N	2" 14.945' W	546379.46	6247945.44

**3 Question 8(a) Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS.**

5 Table 3 presents the quantity of materials, for the offshore transmission works to be deposited below MHWS. The assumptions used to calculate these values are presented in Table 4.

**Table 3: Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS.**

Type of Deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron	P	If Steel Framed Substructures = approx. 31,000 Tonnes If Gravity Base Substructures = approx. 9,250 Tonnes
Timber	N/A	N/A
Plastic/Synthetic	P	11,000 m <sup>2</sup>
Concrete	P	If Steel Framed Substructures = approx. 400m <sup>3</sup> If Gravity Base Substructures = approx. 35,000m <sup>3</sup>
Silt	N/A	N/A
Sand	P	If Gravity Base Substructures = approx. 150,000m <sup>3</sup>
Stone/Rock/Gravel	P	Size range = 15 - 200mm If Steel Framed Substructures = approx. 34,000 Tonnes If Gravity Base Substructures = approx. 73,000 Tonnes Cables = approx. 422,200 m <sup>3</sup>
Concrete bags/mattresses	P	No. = approx. 1000 Dimensions: 6 x 3 x 0.3 m Volume = approx. 4,800 m <sup>3</sup>
Cable	P	Length approx. 480,000m
Other (please describe below):		
N/A		

**Table 4: Assumptions made for calculation of the quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS.**

<b>Assumptions:</b>
1. The statement "materials to be deposited below MHWS" only includes subsea elements such as cables, substructures and foundations and any cable or scour protection (does not consider WTGs or OSP topsides).
2. Trenching, dredging or drilling works are not included as they will form part of another application.
3. Assuming that any plastics/synthetics are those exposed to the environment (due to m <sup>2</sup> being the quantity quoted).
4. The quantities of rock placement/mattresses for cable are mutually exclusive maximums (i.e. it is unlikely we would use the maximum of both)