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Marine Licence Application – Supporting Information

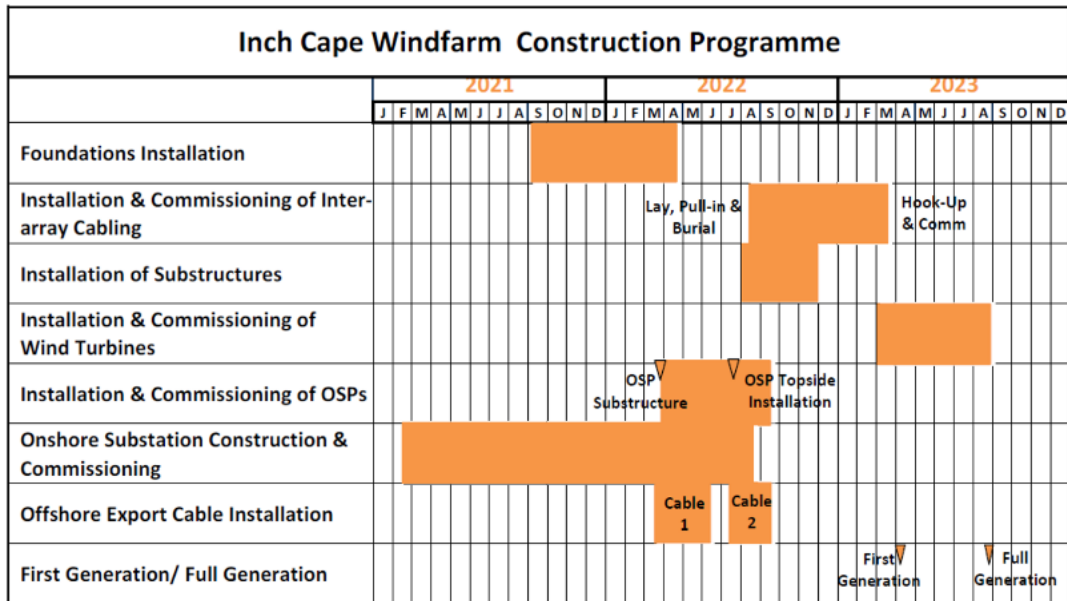
1. Question 5(b): Give a detailed description of the proposed schedule of work.

- 1 A detailed construction programme will be developed as design and procurement activities progress. Pre-construction surveys are likely to be carried out 6 months in advance of construction. The construction activities are expected to start around 2021 and work will take approximately 24 months over a three year period. 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 Wind Farm and Offshore Transmission Works, and their anticipated durations are outlined in Table 1 below. Activities wholly or partially associated with the Wind Farm have been highlighted in bold. An illustrative activity bar chart is shown in Figure 1 below.

Table 1 Main Construction Activities and Anticipated Durations

Main Construction Activity	Anticipated Duration
Foundation installation and associated site preparation	9 months
Inter-array cable installation	1 year
Installation of substructures	6 to 9 months
Installation and commissioning of wind turbines	6 to 9 months
Installation and commissioning of OSPs	6 months
Export cable installation (excluding intertidal)	9 months
Intertidal cable installation	6 months

Figure 1: Illustrative construction programme*



*Please note the following: All durations 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 EIA Report (see Inch Cape Offshore Limited Environmental Impact Assessment Report).
- 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 Development

- 4 Figure 2 presents the location of the Wind Farm. The coordinates of the boundary of the Development Area, in which the Wind Farm will be, are listed in Table 2.

Figure 2 Development Area Location Plan

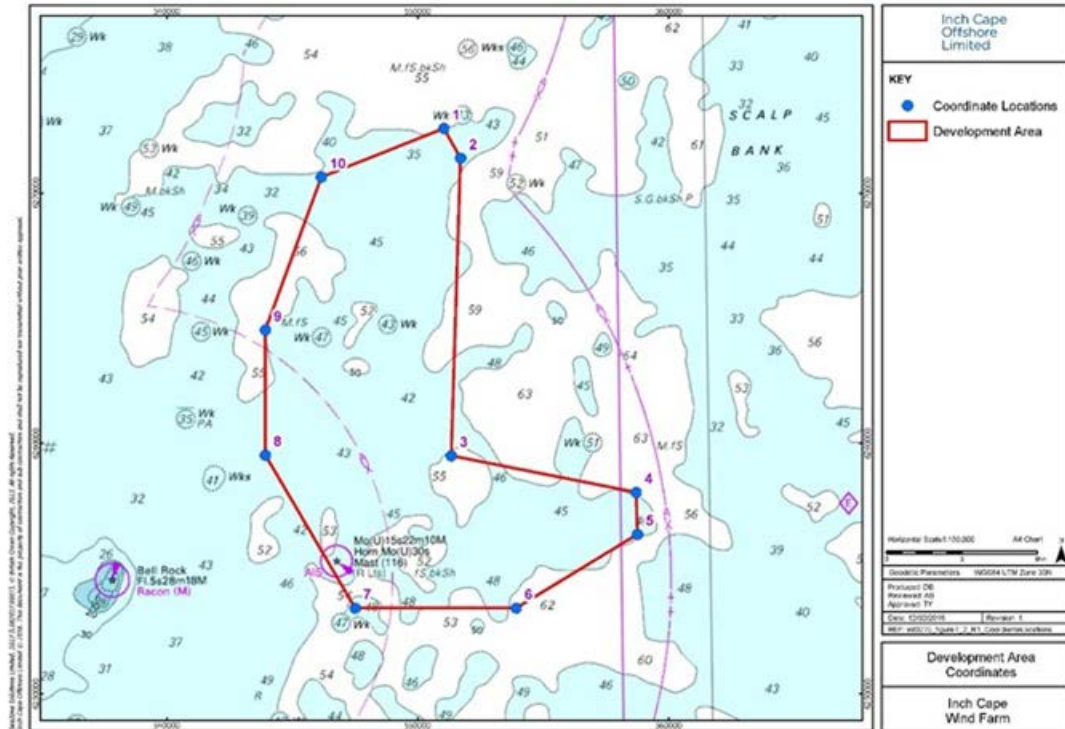


Table 1: Development Area coordinates

Map ID	WGS84 X (decimal degrees)	WGS84 Y (decimal degrees)	UTM30N X (Metres)	UTM30N Y (Metres)
1	-2.168960	56.594632	551030.82510	6272572.70670
2	-2.158372	56.583977	551695.53290	6271394.71650
3	-2.166704	56.477201	551327.93370	6259504.04370
4	-2.047320	56.463267	558702.82420	6258048.70300
5	-2.046898	56.448196	558752.07170	6256371.62120
6	-2.125965	56.422319	553914.93410	6253426.81950
7	-2.230138	56.423009	547488.31280	6253426.78710
8	-2.287140	56.478254	543908.46860	6259537.80530
9	-2.286299	56.523044	543908.50810	6264523.50470
10	-2.248812	56.577667	546148.23980	6270627.92630

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 Wind Farm 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	Up to approx. 436,000 Tonnes
Timber	N/A	N/A
Plastic/Synthetic	P	Paint/coatings up to approx. 160,000 square metres
Concrete	P	Up to approx. 900,000 cubic metres
Silt	N/A	N/A
Sand	P	Up to approx. 800,000 cubic metres
Stone/Rock/Gravel	P	Size range = 15 - 200mm Up to approx. 2,000,000 cubic metres
Concrete bags/mattresses	P	Up to approx 2,800 mattresses Dimensions: 6 x 3 x 0.3 m Volume up to approx. 15,000 cubic metres
Cable	P	Length up to approx. 190,000 metres
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.

Assumptions
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 is not included in this table, but detailed within the EIA Report.
3. Dredging and drilling works are not included in this table, but are detailed within the EIA Report and Q17 of this application.
4. Assuming that any plastics/synthetics are those exposed to the environment (due to m ² being the quantity quoted).
5. The quantities of rock placement/mattresses for cable are mutually exclusive maximums (i.e. it is unlikely we would use the maximum of both).
6. Maximum quantities of steel and concrete cover structures based primarily out of each material eg steel jackets would utilise significantly less concrete than a concrete gravity base.