SCHEDULE 1

Authorised project

PART 3

Requirements

Detailed offshore design parameters

4.—(1) Subject to sub-paragraph (2), no wind turbine generator forming part of the authorised project must—

(a) exceed a height of 315 metres when measured from HAT to the tip of the vertical blade;

(b) exceed a rotor diameter of 215 metres;

(c) be less than a multiple of 6 times the rotor diameter from the nearest wind turbine generator in any direction being not less than 700 metres measured between turbines; or

(d) have a distance of less than 26 metres between the lowest point of the rotating blade of the wind turbine generator and the level of the sea at HAT.

(2) The wind turbine generators comprised in either Work No. 1A or 1B must be of such a size that if they were installed to the maximum permitted gross generating capacity specified for those works the total rotor-swept area for each Work No. would not exceed 4.35 square kilometres.

(3) Wind turbine generator and meteorological mast foundation structures forming part of the authorised project must be 1 of the following foundation options: monopole, multi-leg or gravity base.

(4) No wind turbine generator or meteorological mast foundation structure employing a footing of driven piles forming part of the authorised project must—

(a) have more than 6 driven piles;

(b) in the case of single pile structures, have a pile diameter of greater than 10 metres or employ a hammer energy during installation of greater than 3,000 kilojoules; or

(c) in the case of 2 or more pile structures, have a pile diameter of greater than 3.5 metres or employ a hammer energy during installation of greater than 2,300 kilojoules.

(5) The foundations for wind turbine generators must be in accordance with the wave reflection coefficient values as set out at Fig 3.16 within Chapter 5 and Appendix 5.B of the environmental statement.

(6) No wind turbine generator foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 3,777 square metres.

(7) The foundations for wind turbine generators and meteorological stations must not exceed the dimensions set out below—

Foundation type (monopole, multi-leg or gravity base foundations)	*Maximum width of main supporting structure in metres*	*Maximum seabed footprint area per foundation (excluding scour protection) in square metres*
Wind turbine generator and meteorological station foundation	61	2,376

(8) The total seabed footprint area of subsea scour protection for wind turbine generator foundations (excluding foundation footprint) must not exceed 0.7554 square kilometres within each of Work No. 1A and Work No. 1B.

(9) The volume of subsea scour protection material for wind turbine foundations within Work No. 1A and Work No. 1B must not exceed 1,084,800 cubic metres within each work number.

(10) References to the location of a wind turbine generator are references to the centroid point at the base of the turbine.

(11) No lattice tower forming part of a meteorological station must exceed a height of 315 metres above HAT.