

Hornsea Offshore Wind Farm

Project Two

Amplified Compounds Table – response to CL23(b) and (c)

Appendix T to the Response submitted for Deadline IV

Application Reference: EN010053

20 October 2015

smartwind.co.uk

Cable Route Section Number	Compound Number	Type	Start of Works		Duration of Works		End of Works		Hours of Working		Vehicle Movements (Project Two)		Construction Staff (Project Two)		Total Compound Area m ²
			At start of onshore cable construction	Dependant on start of work on route section	3 months	3 to 5 years	After trenchless crossing completed	After onshore cable route construction completed	Monday to Friday 07:00 to 18:00 and Saturday 07:00 to 13:00	24 hours per day	Total Vehicle Movements	Total HGV Movements	Trenchless Crossing Operations Staff	Cable Route Staff	
Totals for Route Section 12											6,543	4,419	16	20	
13	20-C2	Trenchless Crossing Compound													5,915
	20-C2a	Trenchless Crossing Compound													9,632
	20-C4	Compensation Compound													2,541
	20-C5	Trenchless Crossing Compound													16,213
	20-C6	Compensation Compound													7,957
Totals for Route Section 13											2,891	2,842	13	20	
14	20-C7	Trenchless Crossing Compound													13,115
	20-C7a	Trenchless Crossing Compound													10,429
	21-C1	Trenchless Crossing Compound													12,416
	21-C4	Compensation Compound													5,533
Totals for Route Section 14											7,515	7,465	13	20	

Cable Route Section Number	Compound Number	Type	Start of Works		Duration of Works		End of Works		Hours of Working		Vehicle Movements (Project Two)		Construction Staff (Project Two)		Total Compound Area m ²
			At start of onshore cable construction	Dependant on start of work on route section	3 months	3 to 5 years	After trenchless crossing completed	After onshore cable route construction completed	Monday to Friday 07:00 to 18:00 and Saturday 07:00 to 13:00	24 hours per day	Total Vehicle Movements	Total HGV Movements	Trenchless Crossing Operations Staff	Cable Route Staff	
15	21-C2	Trenchless Crossing Compound													3,953
	21-C3	Compensation Compound													5,028
	23-C1	Trenchless Crossing Compound													33,987
	23-C2	Temporary Construction Compound													12,985
	23-C3	Trenchless Crossing Compound													5,031
	23-C3a	Trenchless Crossing Compound													5,000
	23-C4	Trenchless Crossing Compound													4,820
	23-C4a	Trenchless Crossing Compound													5,001
	23-C5	Trenchless Crossing Compound													8,574
	23-C5a	Trenchless Crossing Compound													5,206
	23-C6	Compensation Compound													13,901
	23-C7	Compensation Compound													2,573
	23-C8	Compensation Compound													7,717
24-C11	Compensation Compound													5,611	
Totals for Route Section 15											11,850	9,688	41	20	

Cable Route Section Number	Compound Number	Type	Start of Works		Duration of Works		End of Works		Hours of Working		Vehicle Movements (Project Two)		Construction Staff (Project Two)		Total Compound Area m ²
			At start of onshore cable construction	Dependant on start of work on route section	3 months	3 to 5 years	After trenchless crossing completed	After onshore cable route construction completed	Monday to Friday 07:00 to 18:00 and Saturday 07:00 to 13:00	24 hours per day	Total Vehicle Movements	Total HGV Movements	Trenchless Crossing Operations Staff	Cable Route Staff	
16	24-C12	Trenchless Crossing Compound													5,169
	24-C13	Trenchless Crossing Compound													5,546
	24-C14	Trenchless Crossing Compound													5,640
	24-C2	Temporary Construction Compound													25,824
	24-C9	Trenchless Crossing Compound													5,880
Totals for Route Section 16											5,465	3,357	5	20	
17	24-C10	Compensation Compound													2,522
	24-C3	Trenchless Crossing Compound													12,038
	25-C1	Trenchless Crossing Compound													9,898
	25-C1a	Trenchless Crossing Compound													10,336
	25-C1b	Compensation Compound													4,739
	25-C1c	Trenchless Crossing Compound													8,263
Totals for Route Section 17											7,312	5,193	13	20	

Cable Route Section Number	Compound Number	Type	Start of Works		Duration of Works		End of Works		Hours of Working		Vehicle Movements (Project Two)		Construction Staff (Project Two)		Total Compound Area m ²
			At start of onshore cable construction	Dependant on start of work on route section	3 months	3 to 5 years	After trenchless crossing completed	After onshore cable route construction completed	Monday to Friday 07:00 to 18:00 and Saturday 07:00 to 13:00	24 hours per day	Total Vehicle Movements	Total HGV Movements	Trenchless Crossing Operations Staff	Cable Route Staff	
	27-C2	Temporary Construction Compound													12,161
	27-C3	Temporary Construction Compound													19,008
	27-C5	Compensation Compound													13,065

Definition of Compounds:

Temporary Construction Compound (TCoC)

A TCC would generally consist of the following:

- Containers for Material and Equipment storage, for example Generators, Pumps, Cable Tiles, Cable Tape and Bog Mats;
- Storage areas for Plant and Materials, for example Cable Drums, Fibre Optic Drums, Ducts, Stabilised backfill, aggregate (for haul roads, etc) Cranes, Dump Trucks and Excavators;
- Bunded Fuel storage and generator;
- Wheel wash facilities;
- Storage and Containers;
- Waste Management Facilities, e.g. waste segregation and recycling facilities;
- Construction Management offices;
- Car Parking and Welfare Facilities; and
- Security Fence and Lighting.

Plants and materials storage areas will be determined by project details including but not limited to number and type of cables, location of compounds, size and shape of land plot available, programme requirements, procurement strategy, number of teams and other factors.

Compensation Compound (CC)

CC's are in place to compensate Project One for the land that Project Two requires to construct its onshore cable route under the scenario that Project Two enters construction first or there is a construction overlap between Project One and Project Two.

Trenchless Crossing Compound (TCrC)

The equipment will include, but not limited to

- Containers for Material and Equipment storage, for example Generators, Pumps, Cable Tiles, Cable Tape and Bog Mats;
- Storage areas for Plant and Materials, for example Cable Drums, Fibre Optic Drums, Ducts, Stabilised backfill, aggregate (for haul roads, etc) Cranes, Dump Trucks and Excavators;
- A drill rig;
- Car parking and welfare;
- Power supply (large diesel generators);
- Mud circulation system;
- Site trailers;
- Fuel;
- Water tanks;

- Equipment laydown area; and
- Security fence and lighting.

Landfall and TJBs

The landfall compound area could serve variety of purposes: trenchless crossing of sea defences (the same equipment as a TCrC), location of TJBs, a temporary compound for intertidal and onshore cable route works and potential main compound (the same equipment as a TCoC).