East Anglia TWO Offshore Windfarm

Appendix 26.11

HGV and Employee Traffic Assigned to the Construction Programme

Preliminary Environmental Information
Volume 3
EA2-DEVWF-ENV-REP-IBR-000821_011

Landfall - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Month																																					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
HGV Holding area at Elm Tree Farm	22	36	2																																					
Establish site accesses off Thorpeness Road and CCS	44	229	6	6																																				
Mobilisation of Welfare and Operation Plant to CCS	44	20	1	1																																				
Site preparation including fencing, temporary drainage and haul road construction.	44	272		7	7																																			
HDD At Landfall																																								
Establish Landfall HDD construction compound / Topsoil Strip in Landafall Laydown Area	44	197			5	5																																		
Mobilisation of HDD Kit and Welfare to Landfall Compound	22	48				3																																		
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	270	1,160					5	5	5	5	5	5	5	5	5																									
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works & Ducting)	0	0																																						
Demobilisation of HDD kit and welfare	22	48														3																								
Transition Bays at Landfall																																								
Excavation of transition bays	66	46														1	1	1																						
Construction of transition bay base	44	10															1	1																						
Connection of Cables in Transition Bays	66	0																0	0	0																				
Transition bay Walls	66	15																1	1	1																				
Transition bay roof and backfill over transition bay	66	21																	1	1	1																			
Landfall Compound Removal and Reinstatement	44	197																			5	5																		
Haul Road Removal (includes removal of fencing) and reinstatement	44	272																					7	7																
Demobilisation of Welfare from CCS	22	20																					1																	
Removel of Accesses and CCS	66	229																						4	4	4														
Removal of Accesses and Holding Area at Elm Tree Farm	22	36																								2														
Average Section Skip HGV Movements Per Day	528	73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
Total HGVs per day			8	15	13	9	6	6	6	6	6	6	6	6	6	5	3	4	3	3	7	6	9	12	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total two-way HGV movements per day			16	30	26	18	12	12	12	12	12	12	12	12	12	10	6	8	6	6	14	12	18	24	10	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Landfall - Construction Plant Requirements

Plant	Month																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	2	2	2	3													2	2	2	2	2	2	2	2												
30T Excavator	2	2	2	2										2	2	2	2	2	2	2	2	2	2	2												
20T Dumper	2	2	2	2										2	2	2	2	2	2	2	2	2	2	2												
Smooth Drum vibrio road roller	1	1	1	2										1	1	1	1	1	1	1	1	1	1	1												
21T excavator	1	1	1	2										1	1	1	1	1	1	1	1	1	1	1												
5T Forward Tipping Dumper	1	1	1	2										1	1	1	1	1	1	1	1	1	1	1												
Loading shovel	1	1	1	1													1	1	1	1	1	1	1	1												
Trench Roller																	1	1	1																	
Tractor & fencing kit	1	1	1																		1	1														
Tractor & trailer	1	1	1	1											1	1	1	1	1	1	1	1	1	1												
Tractor & Fuel bowser (or self-propelled)	1	1	1	1										1	1	1	1	1	1	1	1	1	1	1												
Tractor & Water bowser (for dust suppression)	1	1	1	1										1	1	1	1	1	1	1	1	1	1	1												
Tractor & cable drum trailer																																				
Tractor & soil tiller, roller, seeder																			1	1	1	1	1	1												
Cement mixer																1	1	1	1																	
Mobile crane																1	1	1	1																	
Grader	1	1	1	1																																
Cable laying tracked crane																1	1	1																		
Cable winch																																				
Pre-cast concrete truck																1	1	1	1																	
Mobile concrete pump															1	1																				
Telehandler	1	1	1	1											1	1	1	1	1																	
Mobile self-contained welfare unit	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2												
Crawler Crane																1	1	1	1																	
Mobile generator	1	1	1	1										1	2	2	2	2	2	1	1	1	1	1												
Temporary lighting	1	1	1	1										1	1	2	2	2	2	2	2	2	1	1												
Road surface paver & roller	1	1																																		
Pump														1	1	2	2	2	1																	
Total Plant Onsite In Section Per Month	21	21	20	23	0	1	1	1	1	1	1	1	1	13	17	24	27	27	26	18	19	20	18	18												
Total Deliveries / Removals	21	0	1	5	22	0	0	0	0	0	0	0	0	12	4	7	5		3	8	1	1	2		18											
Average Deliveries / Removals Per Day	1	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	2	2	2	0	0	0	0	0	0	0	0	2	2	2	2	0	2	2	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0

Landfall - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen,	Total Working Days	Total Person Days	Month																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
HGV Holding area at Elm Tree Farm	22	66	3																																			
Establish site access off Thorepness Road and CCS Construction	44	132	3	3																																		
Site preparation including fencing, temporary drainage and haul road construction.	44	176		4	4																																	
Establish Landfall HDD construction compound	44	132			3	3																																
HDD Drilling works & Ducting (assume working 24/7 7 days a week) Includes Admin of HDD Compound	270	1,620					6	6	6	6	6	6	6	6	6																							
Demobilisation of HDD Kit and Welfare to Landfall Compound	22	132														6																						
Transition Bays at Landfall																																						
Excavation of transition bays	66	198														3	3	3																				
Construction of transition bay base	44	132															3	3																				
Connection of Cables in Transition Bays	66	198																3	3	3																		
Transition bay Walls and Roof	66	198																3	3	3																		
Backfill over transition bay	66	198																	3	3	3																	
Landfall Compound Removal and Reinstatement	44	132																			3	3																
Haul Road Removal (includes removal of fencing) and reinstatement	44	132																					3	3														
Access road and CCS removal	66	198																						3	3	3												
Removal of Accesses and Holding Area at Elm Tree Farm	22	66																								3												
Plant Operators																																						
Overall Plant Operators	528	5,170	17	17	16	19	0	0	0	0	0	0	0	0	0	9	12	16	19	19	19	14	15	15	14	14												
Landfall HDD Engineering Personnel (non HDD)																																						
1 x engineer / surveyor, 1 x Foreman	286	264	2	2	2												2	2	2	0	0	0	0	0	0	0												
2 x vehicle marshals for HGV holding area at Elm Farm	528	1,056	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2												
Average Total Employees per day			27	28	27	24	8	8	8	8	8	8	8	8	8	20	22	32	32	30	27	19	20	23	19	22	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Total Employee Two-way Movements Per Day (car/small van)			54	56	54	48	16	16	16	16	16	16	16	16	16	40	44	64	64	60	54	38	40	46	38	44	0	0	0	0	0	0	0	0	0	0	0	0

Landfall - Total Vehicle Movement Requirements

Activity	Month																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	16	30	26	18	12	12	12	12	12	12	12	12	12	10	6	8	6	6	14	12	18	24	10	14	0	0	0	0	0	0	0	0	0	0	0	0
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicle Movements Tab where the percentage increase is presented	20	38	33	23	15	15	15	15	15	15	15	15	15	13	8	10	8	8	18	15	23	30	13	18	0	0	0	0	0	0	0	0	0	0	0	0
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	0	2	2	2	0	0	0	0	0	0	0	0	2	2	2	2	0	2	2	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0
Average total two-way HGV Movements Per Day	22	38	35	25	17	15	15	15	15	15	15	15	15	15	10	12	10	8	20	17	25	32	15	18	2	0	0	0	0	0	0	0	0	0	0	0
Maximum Total Employee Two-way Movements Per Day (car/small van)	54	56	54	48	16	16	16	16	16	16	16	16	16	40	44	64	64	60	54	38	40	46	38	44	0	0	0	0	0	0	0	0	0	0	0	0
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	60	62	60	53	18	18	18	18	18	18	18	18	18	44	49	71	71	66	60	42	44	51	42	49	0	0	0	0	0	0	0	0	0	0	0	0
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	82	100	95	78	35	33	33	33	33	33	33	33	33	59	59	83	81	74	80	59	69	83	57	67	2	0	0	0	0	0	0	0	0	0	0	0

Section 1 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Month																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site and site accesses	88	559	7	7	7	7																																
Mobilisation of Welfare and Operation Plant to CCS	88	31	1	1	1	1																																
Site preparation including fencing, temporary drainage and haul road construction.	44	591					14	14																														
Onshore Export Cable Installation East of SPA																																						
Trench Route Clearance / Topsoil Strip	44	0					0	0																														
Trench Excavation	220	255							2	2	2	2	2	2	2	2	2	2																				
Duct Installation	220	154							1	1	1	1	1	1	1	1	1	1																				
Trench Backfill	198	12								1	1	1	1	1	1	1	1	1																				
Jointing Bay Excavation	242	230								1	1	1	1	1	1	1	1	1	1	1																		
Jointing Bay Base Constriction	198	16										1	1	1	1	1	1	1	1	1																		
Pulling and connection of cables	198	45											1	1	1	1	1	1	1	1	1																	
Jointing Bay Walls and Roof	198	47												1	1	1	1	1	1	1	1	1																
Backfill over Jointing Bays	44	0																																		0	0	
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																		0	0	0
Medium Length HDD crossing of Obstacle 2.1 and 2.2																																						
Establish Onshore HDD Entry Pit compound	66	197					3	3	3																													
Mobilisation of HDD Kit and Welfare to Onshore drilling Compound	22	58								3																												
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	120	85								1	1	1	1																									
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works &	30	0												0																								
Demobilisation of HDD kit and welfare	22	58													3																							
Removal of Onshore HDD Entry pit compound	66	197															3	3	3																			
Movement of fence line to minimum extents	88	0																					0	0	0	0												
Haul Road Removal (includes removal of fencing) and reinstatement	66	591																																		9	9	9
Demobilisation of Welfare from CCS	66	31																																		1	1	1
Construction consolidation site and access road Removal	154	559																					4	4	4	4										4	4	4
Average Section Skip HGV Movements Per Day	594	127	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
		Total HGVs per day	9	9	9	9	18	18	7	10	7	8	9	9	12	9	12	12	8	5	3	2	5	5	5	5	0	0	0	0	0	0	0	0	0	15	15	15
		Total two-way HGV movements per day	18	18	18	18	36	36	14	20	14	16	18	18	24	18	24	24	16	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	30	30	30

Section 1 - Construction Plant Requirements

Plant	Month																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	1	1	1	1	2	2	1								2	2	2				2	2	2	2										2	2	2
30T Excavator	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2										2	2	2
20T Dumper	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2										4	4	4
Smooth Drum vibrio road roller	1	1	1	1	1	1	1								1	1	1				1	1	1	1										1	1	1
21T excavator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1			1	1	1	1										2	2	2
5T Forward Tipping Dumper	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1			1	1	1	1										2	2	2
Loading shovel	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2	2										2	2	2
Trench Roller							1	1	1	1	1	1	1	1	1	1																		1	1	1
Tractor & fencing kit					1	1															1	1	1	1												
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Fuel bowser (or self-propelled)	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & cable drum trailer											1	1	1	1	1	1	1	1	1																	
Tractor & soil tiller, roller, seeder															1	1	1				1	1	1	1										1	1	1
Cement mixer												1	1	1	1	1	1	1	1	1																
Mobile crane												1	1	1	1	1	1	1	1	1																
Grader	1	1	1	1	1	1	1																													
Cable laying tracked crane																																				
Cable winch											1	1	1	1	1	1	1	1	1																	
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1																
Mobile concrete pump										1	1	1	1	1	1	1	1	1																		
Telehandler	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1										2	2	2
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2										3	3	3
Road surface paver & roller	1	1	1	1																																
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1														1	1	1
Total Plant Onsite In Section Per Month	20	20	20	20	25	25	27	25	25	26	28	31	31	31	35	35	34	24	17	12	19	19	19	19	0	0	0	0	0	0	0	0	0	28	28	28
Total Deliveries / Removals	20	0	0	0	11	0	6	4	0	1	2	3	0	0	4	0	1	10	7	5	19	0	0	0	19	0	0	0	0	0	0	0	0	28	0	33
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0	2
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4

Section 1 - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site and site access off Sizewell Gap Road	88	264	3	3	3	3																																
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																														
Onshore Export Cable Installation East of SPA																																						
Trench Route Clearance / Topsoil Strip	44	88					2	2																														
Trench Excavation	220	330							3	2	2	2	1	1	1	1	1	1																				
Duct Installation	220	330							3	2	2	2	1	1	1	1	1	1																				
Trench Backfill	198	264								2	2	2	1	1	1	1	1	1																				
Jointing Bay Excavation	242	352								2	2	2	1	1	1	1	1	1	2	2																		
Jointing Bay Base Constriction	198	264										2	1	1	1	1	1	1	2	2																		
Pulling and connection of cables	198	286											1	1	1	1	1	1	2	2	3																	
Jointing Bay Walls and Roof	198	330												1	1	1	1	1	2	2	3	3																
Backfill over Jointing Bays	44	132																																		3	3	
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																		3	3	3
Medium Length HDD crossing of Obstacle 2.1 and 2.2																																						
Establish Onshore HDD drilling compound	66	198					3	3	3																													
HDD Drilling works & Ducting (assume working 24/7 7 days a week) Includes Admin of HDD Compound	120	120								1	1	1	1																									
HDD Drilling risk programme 'float'	30	120												4																								
Demobilisation of HDD kit and welfare	22	66													3																							
Removal of Onshore HDD compound	66	198															3	3	3																			
Movement of fence line to minimum extents	88	264																					3	3	3	3												
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																		3	3	3
Construction consolidation site d and access road Removal	154	462																					3	3	3	3										3	3	3
Plant Operators																																						
Overall Plant Operators	792	11,154	16	16	16	15	21	21	21	18	18	19	21	23	23	23	27	27	26	16	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	20	20	20
Section 1 Engineering Personnel																																						
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Project Engineering Personnel Based at CSS 1.1																																						
Head Engineer, 2 x Admin Staff, QS, Assistant QS, Overall Site Foreman, H&S Supervisor, H&S Assistant, Environmental Clerk, Assistant Environemental Clerk, Lead Surveyor, 2 X catering staff, 2 x client representative and 2 x owners engineers	792	13,464	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Average Total Employees per day			40	40	40	39	51	51	51	48	48	51	49	55	54	51	58	58	58	45	36	31	43	43	43	43	21	21	21	21	21	21	21	21	21	53	53	50
Maximum Total Employee Two-way Movements Per Day (car/small van)			80	80	80	78	102	102	102	96	96	102	98	110	108	102	116	116	116	90	72	62	86	86	86	86	42	42	42	42	42	42	42	42	42	106	106	100

Section 1 - Total Vehicle Movement Requirements

Activity	Month																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	18	18	18	18	36	36	14	20	14	16	18	18	24	18	24	24	16	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	30	30	30
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	22	22	22	22	44	44	18	25	18	20	22	22	30	22	30	30	20	13	8	5	13	13	13	13	0	0	0	0	0	0	0	0	0	37	37	37
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4
Average total two-way HGV Movements Per Day	**24**	**22**	**22**	**22**	**46**	**44**	**20**	**27**	**18**	**22**	**24**	**24**	**30**	**22**	**32**	**30**	**22**	**15**	**10**	**7**	**15**	**13**	**13**	**13**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**41**	**37**	**41**
Maximum Total Employee Two-way Movements Per Day (car/small van)	80	80	80	78	102	102	102	96	96	102	98	110	108	102	116	116	116	90	72	62	86	86	86	86	42	42	42	42	42	42	42	42	42	106	106	100
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	**88**	**88**	**88**	**86**	**113**	**113**	**113**	**106**	**106**	**113**	**108**	**121**	**119**	**113**	**128**	**128**	**128**	**99**	**80**	**69**	**95**	**95**	**95**	**95**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**117**	**117**	**110**
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van	**112**	**110**	**110**	**108**	**159**	**157**	**133**	**133**	**124**	**135**	**132**	**145**	**149**	**135**	**160**	**158**	**150**	**114**	**90**	**76**	**110**	**108**	**108**	**108**	**49**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**158**	**154**	**151**

Section 2 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site and site accesses	88	559	7	7	7	7																																	
Mobilisation of Welfare and Operation Plant to CCS	88	62	1	1	1	1																																	
Site preparation including fencing, temporary drainage and haul road constructior	32	540					13	13																															
Onshore Export Cable Installation Sction 2A and 2B																																							
Trench Route Clearance / Topsoil Strip	44	0					0	0																															
Trench Excavation	220	275							2	2	2	2	2	2	2	2	2	2																					
Duct Installation	220	167							1	1	1	1	1	1	1	1	1	1																					
Trench Backfill	198	14								1	1	1	1	1	1	1	1	1																					
Jointing Bay Excavation	242	276								2	2	2	2	2	2	2	2	2	2	2																			
Jointing Bay Base Constriction	198	20										1	1	1	1	1	1	1	1	1																			
Pulling and connection of cables	198	46											1	1	1	1	1	1	1	1	1																		
Jointing Bay Walls and Roof	198	57												1	1	1	1	1	1	1	1	1																	
Backfill over Jointing Bays	44	0																																		0	0		
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																		0	0	0	
Medium Length Onshore HDD Crossing of Obstacle 2.1 and 2.2																																							
Establish Onshore HDD Entry Pit compound	44	86						2	2																														
Mobilisation of HDD Kit and Welfare to Onshore drilling Compound	22	10								1																													
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	120	0								0	0	0	0																										
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works &	30	0												0																									
Demobilisation of HDD kit and welfare	22	10													1																								
Removal of Onshore HDD Enry pit compound	44	86															2	2																					
Movement of fence line to minimum extents	88	0																					0	0	0	0													
Haul Road Removal (includes removal of fencing) and reinstatement	66	540																																		9	9	9	
Demobilisation of Welfare from CCS	66	62																																		1	1	1	
Construction consolidation site and access road Removal	154	559																					4	4	4	4										4	4	4	
Average Section Skip HGV Movements Per Day	594	127	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1	
Total HGVs per day			9	9	9	9	14	16	6	8	7	8	9	10	11	10	12	12	6	6	3	2	5	5	5	5	0	0	0	0	0	0	0	0	0	15	15	15	
Total two-way HGV movements per day			18	18	18	18	28	32	12	16	14	16	18	20	22	20	24	24	12	12	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	30	30	30	

Section 2 - Construction Plant Requirements

Plant	Month																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	1	1	1	1	2	2	1								2	2	2				2	2	2	2										2	2	2
30T Excavator	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2										2	2	2
20T Dumper	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2										4	4	4
Smooth Drum vibrio road roller	1	1	1	1	1	1	1								1	1	1				1	1	1	1										1	1	1
21T excavator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1			1	1	1	1										2	2	2
5T Forward Tipping Dumper	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1			1	1	1	1										2	2	2
Loading shovel	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2	2										2	2	2
Trench Roller							1	1	1	1	1	1	1	1	1	1																		1	1	1
Tractor & fencing kit					1	1															1	1	1	1												
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & cable drum trailer											1	1	1	1	1	1	1	1	1																	
Tractor & soil tiller, roller, seeder															1	1	1				1	1	1	1										1	1	1
Cement mixer												1	1	1	1	1	1	1	1	1																
Mobile crane												1	1	1	1	1	1	1	1	1																
Grader	1	1	1	1	1	1	1																													
Cable laying tracked crane																																				
Cable winch											1	1	1	1	1	1	1	1	1																	
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1																
Mobile concrete pump										1	1	1	1	1	1	1	1	1																		
Telehandler	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1										2	2	2
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2										3	3	3
Road surface paver & roller	1	1	1	1																																
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1														1	1	1
Total Plant Onsite In Section Per Month	20	20	20	20	25	25	27	25	25	26	28	31	31	31	35	35	34	24	17	12	19	19	19	19										28	28	28
Total Deliveries / Removals	20	0	0	0	11	0	6	4	0	1	2	3	0	0	4	0	1	10	7	5	19	0	0	0	19	0	0	0	0	0	0	0	0	28	0	28
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0	2
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4

Section 2 - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site and site access off Sizewell Gap Road	88	264	3	3	3	3																																
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																														
Onshore Export Cable Installation Sction 2A and 2B																																						
Trench Route Clearance / Topsoil Strip	44	88					2	2																														
Trench Excavation	220	330							3	2	2	2	1	1	1	1	1	1																				
Duct Installation	220	330							3	2	2	2	1	1	1	1	1	1																				
Trench Backfill	198	264								2	2	2	1	1	1	1	1	1																				
Jointing Bay Excavation	242	352								2	2	2	1	1	1	1	1	1	2	2																		
Jointing Bay Base Constriction	198	264										2	1	1	1	1	1	1	2	2																		
Pulling and connection of cables	198	286											1	1	1	1	1	1	2	2	3																	
Jointing Bay Walls and Roof	198	330												1	1	1	1	1	2	2	3	3																
Backfill over Jointing Bays	44	132																																		3	3	
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																		3	3	3
Medium Length Onshore HDD Crossing of Obstacle 2.1 and 2.2																																						
Establish Onshore HDD drilling compound	44	132						3	3																													
HDD Drilling works & Ducting (assume working 24/7 7 days a week) Includes Admin of HDD Compound	120	120								1	1	1	1																									
HDD Drilling risk programme 'float'	30	120												4																								
Demobilisation of HDD kit and welfare	22	66													3																							
Removal of Onshore HDD compound	44	132															3	3																				
Movement of fence line to minimum extents	88	264																					3	3	3	3												
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																		3	3	3
Construction consolidation site and access road Removal	154	462																					3	3	3	3										3	3	3
Plant Operators																																						
Overall Plant Operators	792	11,176	16	16	16	16	21	21	21	18	18	19	21	23	23	23	27	27	26	16	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	20	20	20
Section 2 Engineering Personnel																																						
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Average Total Employees per day			23	23	23	23	31	34	34	31	31	34	32	38	37	34	41	41	38	28	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	36	36	33
Maximum Total Employee Two-way Movements Per Day (car/small van)			46	46	46	46	62	68	68	62	62	68	64	76	74	68	82	82	76	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	72	72	66

Section 2 - Total Vehicle Movement Requirements

Activity	Week																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movement Per Day	18	18	18	18	28	32	12	16	14	16	18	20	22	20	24	24	12	12	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	30	30	30
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	22	22	22	22	34	39	15	20	17	20	22	25	27	25	30	30	15	15	8	5	13	13	13	13	0	0	0	0	0	0	0	0	0	37	37	37
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	2	0	2	2	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4
Average total two-way HGV Movements Per Day	24	22	22	22	36	39	17	22	17	22	24	27	27	25	32	30	17	17	10	7	15	13	13	13	2	0	0	0	0	0	0	0	0	41	37	41
Maximum Total Employee Two-way Movements Per Day (car/small van)	46	46	46	46	62	68	68	62	62	68	64	76	74	68	82	82	76	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	72	72	66
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	51	51	51	51	69	75	75	69	69	75	71	84	82	75	91	91	84	62	42	31	58	58	58	58	9	9	9	9	9	9	9	9	9	80	80	73
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	75	73	73	73	105	114	92	91	86	97	95	111	109	100	123	121	101	79	52	38	73	71	71	71	11	9	9	9	9	9	9	9	9	121	117	114

Section 3 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site compound and site accesses	88	559	7	7	7	7																																	
Mobilisation of Welfare and Operation Plant to CCS	88	31	1	1	1	1																																	
Site preparation including fencing, temporary drainage and haul road construction.	44	343					8	8																															
Onshore Export Cable Installation Sction 3A and 3B																																							
Trench Route Clearance / Topsoil Strip	44	0					0	0																															
Trench Excavation	220	201							1	1	1	1	1	1	1	1	1	1																					
Duct Installation	220	121							1	1	1	1	1	1	1	1	1	1																					
Trench Backfill	198	10								1	1	1	1	1	1	1	1	1																					
Jointing Bay Excavation	242	138								1	1	1	1	1	1	1	1	1	1	1																			
Jointing Bay Base Constriction	198	10										1	1	1	1	1	1	1	1	1																			
Pulling and connection of cables	198	32											1	1	1	1	1	1	1	1	1																		
Jointing Bay Walls and Roof	198	28												1	1	1	1	1	1	1	1	1																	
Backfill over Jointing Bays	44	0																																		0	0		
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																		0	0	0	
Movement of fence line to minimum extents	88	0																					0	0	0	0													
Haul Road Removal (includes removal of fencing) and reinstatement	66	343																																		6	6	6	
Demobilisation of Welfare from CCS	66	62																																		1	1	1	
Construction consolidation site and access road Removal	154	559																					4	4	4	4										4	4	4	
Average Section Skip HGV Movements Per Day	594	114	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1	
Total HGVs per day			9	9	9	9	9	9	3	5	5	6	7	8	8	8	8	8	5	5	3	2	5	5	5	5	0	0	0	0	0	0	0	0	0	12	12	12	
Total two-way HGV movements per day			18	18	18	18	18	18	6	10	10	12	14	16	16	16	16	16	10	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	24	24	24	

Section 3 - Construction Plant Requirements

Plant	Month																																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	1	1	1	1	2	2	1					Q	Q	Q	Q	Q					2	2	2	2										2	2	2
30T Excavator	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			2	2	2	2										2	2	2
20T Dumper	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	2	2			2	2	2	2										4	4	4
Smooth Drum vibrio road roller	1	1	1	1	2	2	1														1	1	1	1										1	1	1
21T excavator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1			1	1	1	1										2	2	2
5T Forward Tipping Dumper	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1			1	1	1	1										2	2	2
Loading shovel	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2					2	2	2	2										2	2	2
Trench Roller							1	1	1	1	1	1	1	1	1	1																		1	1	1
Tractor & fencing kit					1	1															1	1	1	1												
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & cable drum trailer											1	1	1	1	1	1	1	1	1																	
Tractor & soil tiller, roller, seeder																					1	1	1	1										1	1	1
Cement mixer												1	1	1	1	1	1	1	1	1																
Mobile crane												1	1	1	1	1	1	1	1	1																
Grader	1	1	1	1	1	1	1																													
Cable laying tracked crane																																				
Cable winch											1	1	1	1	1	1	1	1	1																	
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1																
Mobile concrete pump										1	1	1	1	1	1	1	1	1																		
Telehandler	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1										2	2	2
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2										3	3	3
Road surface paver & roller	1	1	1	1																																
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1														1	1	1
Total Plant Onsite In Section Per Month	20	20	20	20	26	26	27	25	25	26	28	31	31	31	31	31	24	24	17	12	19	19	19	19										28	28	28
Total Deliveries / Removals	20				12		7	4		1	2	3					7		7	5	19				19									28		28
Average Deliveries / Removals Per Day	1	0	0	0	1	0	1	1	0	1	1	1	0	0	0	0	1	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	2	0	2
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	0	0	2	0	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4

Section 3 - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site and site access off Sizewell Gap Road	88	264	3	3	3	3																																	
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																															
Onshore Export Cable Installation Sction 3A and 3B																																							
Trench Route Clearance / Topsoil Strip	44	88					2	2																															
Trench Excavation	220	330							3	2	2	2	1	1	1	1	1	1																					
Duct Installation	220	330							3	2	2	2	1	1	1	1	1	1																					
Trench Backfill	198	264								2	2	2	1	1	1	1	1	1																					
Jointing Bay Excavation	242	352								2	2	2	1	1	1	1	1	1	2	2																			
Jointing Bay Base Constriction	198	264										2	1	1	1	1	1	1	2	2																			
Pulling and connection of cables	198	286											1	1	1	1	1	1	2	2	3																		
Jointing Bay Walls and Roof	198	330												1	1	1	1	1	2	2	3	3																	
Backfill over Jointing Bays	44	132																																		3	3		
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																		3	3	3	
Movement of fence line to minimum extents	88	264																					3	3	3	3													
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																		3	3	3	
Construction consolidation site and access road Removal	154	462																					3	3	3	3										3	3	3	
Plant Operators																																							
Overall Plant Operators	792	10,824	16	16	16	16	22	22	21	18	18	19	21	23	23	23	23	23	16	16	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	20	20	20	
Section 3 Engineering Personnel																																							
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Average Total Employees per day			23	23	23	23	32	32	31	30	30	33	31	34	34	34	34	34	28	28	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	36	36	33	
Maximum Total Employee Two-way Movements Per Day (car/small van)			46	46	46	46	64	64	62	60	60	66	62	68	68	68	68	68	56	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	72	72	66	

Section 3 - Total Vehicle Movement Requirements

Activity	Month																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	18	18	18	18	18	18	6	10	10	12	14	16	16	16	16	16	10	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	24	24	24		
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	23	23	23	23	23	23	8	13	13	16	18	21	21	21	21	21	13	13	8	6	13	13	13	13	0	0	0	0	0	0	0	0	0	31	31	31		
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	0	0	0	2	0	2	2	0	2	2	2	0	0	0	0	2	0	2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	4	0	4		
Average total two-way HGV Movements Per Day	**25**	**23**	**23**	**23**	**25**	**23**	**10**	**15**	**13**	**18**	**20**	**23**	**21**	**21**	**21**	**21**	**15**	**13**	**10**	**8**	**15**	**13**	**13**	**13**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**35**	**31**	**35**		
Maximum Total Employee Two-way Movements Per Day (car/small van)	46	46	46	46	64	64	62	60	60	66	62	68	68	68	68	68	56	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	72	72	66		
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	**51**	**51**	**51**	**51**	**71**	**71**	**69**	**66**	**66**	**73**	**69**	**75**	**75**	**75**	**75**	**75**	**62**	**62**	**42**	**31**	**58**	**58**	**58**	**58**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**80**	**80**	**73**		
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	**76**	**74**	**74**	**74**	**96**	**94**	**79**	**81**	**79**	**91**	**89**	**98**	**96**	**96**	**96**	**96**	**77**	**75**	**52**	**39**	**73**	**71**	**71**	**71**	**11**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**115**	**111**	**108**		

Section 4 - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site compound and site accesses	88	559	7	7	7	7																																
Mobilisation of Welfare and Operation Plant to CCS	88	31	1	1	1	1																																
Site preparation including fencing, temporary drainage and haul road construction.	44	688					16	16																														
Construction of access roads for National Grid Over Head Line Works	66	602							10	10	10																											
Onshore Export Cable Installation Sction 4A and 4B																																						
Trench Route Clearance / Topsoil Strip	44	0					0	0																														
Trench Excavation	220	230							2	2	2	2	2	2	2	2	2	2																				
Duct Installation	220	141							1	1	1	1	1	1	1	1	1	1																				
Trench Backfill	198	12								1	1	1	1	1	1	1	1	1																				
Jointing Bay Excavation	242	184								1	1	1	1	1	1	1	1	1	1	1																		
Jointing Bay Base Constriction	198	13										1	1	1	1	1	1	1	1	1																		
Pulling and connection of cables	198	37											1	1	1	1	1	1	1	1	1																	
Jointing Bay Walls and Roof	198	38												1	1	1	1	1	1	1	1	1																
Backfill over Jointing Bays	44	0																																		0	0	
Trench Route Reinstatement / Topsoil Reinstatement	66	0																																		0	0	0
Movement of fence line to minimum extents	88	0																					0	0	0	0												
Haul Road Removal (includes removal of fencing) and reinstatement	66	688																																		11	11	11
Removal of access road for National Grid Overhead Line Works	66	602																																		10	10	10
Demobilisation of Welfare from CCS	66	31																																		1	1	1
Construction consolidation site and access road Removal	154	559																					4	4	4	4										4	4	4
Average Section Skip HGV Movements Per Day	594	250	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Total HGVs per day			9	9	9	9	17	17	14	16	16	7	8	9	9	9	9	9	5	5	3	2	5	5	5	5	0	0	0	0	0	0	0	0	0	27	27	27
Total two-way HGV movements per day			18	18	18	18	34	34	28	32	32	14	16	18	18	18	18	18	10	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	54	54	54

Section 4 - Construction Plant Requirements

Plant	Month																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	1	1	1	1	2	2	1	1	1												2	2	2	2										2	2	2
30T Excavator	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2			2	2	2	2										2	2	2
20T Dumper	3	3	3	3	4	4	6	6	6	4	4	4	4	4	4	4	2	2			2	2	2	2										4	4	4
Smooth Drum vibrio road roller	1	1	1	1	2	2	1	1	1												1	1	1	1										1	1	1
21T excavator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1			1	1	1	1										2	2	2
5T Forward Tipping Dumper	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1			1	1	1	1										2	2	2
Loading shovel	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2					2	2	2	2										2	2	2
Trench Roller							1	1	1	1	1	1	1	1	1	1																		1	1	1
Tractor & fencing kit					1	1	1	1	1												1	1	1	1												
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & Water bowser (for dust suppression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										1	1	1
Tractor & cable drum trailer											1	1	1	1	1	1	1	1	1																	
Tractor & soil tiller, roller, seeder																					1	1	1	1										1	1	1
Cement mixer												1	1	1	1	1	1	1	1	1																
Mobile crane												1	1	1	1	1	1	1	1	1																
Grader	1	1	1	1	1	1	1	1	1																											
Cable laying tracked crane																																				
Cable winch											1	1	1	1	1	1	1	1	1																	
Pre-cast concrete truck												1	1	1	1	1	1	1	1	1																
Mobile concrete pump										1	1	1	1	1	1	1	1	1																		
Telehandler	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Mobile generator	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1										2	2	2
Temporary lighting	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2										3	3	3
Road surface paver & roller	1	1	1	1																																
Pump							1	2	2	2	2	2	2	2	2	2	2	2	2	1														1	1	1
Total Plant Onsite In Section Per Month																																				
Total Deliveries / Removals	20	20	20	20	26	26	31	32	32	26	28	31	31	31	31	31	24	24	17	12	19	19	19	19										28	28	28
Average Deliveries / Removals Per Day	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2	2	2
Average Total two-way HGV movements (Deliveries / Removals) Per Day	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4

Section 4 - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Month																																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Establish construction consolidation site compound and site access off Sizewell Gap Road	22	66	3	3	3	3																																
Site preparation including fencing, temporary drainage and haul road construction	44	176					4	4																														
Construction of access roads for National Grid Over Head Line Works	66	198							3	3	3																											
Onshore Export Cable Installation Sction 4A and 4B																																						
Trench Route Clearance / Topsoil Strip	44	88					2	2																														
Trench Excavation	220	330							3	2	2	2	1	1	1	1	1	1																				
Duct Installation	220	330							3	2	2	2	1	1	1	1	1	1																				
Trench Backfill	198	264								2	2	2	1	1	1	1	1	1																				
Jointing Bay Excavation	242	352								2	2	2	1	1	1	1	1	1	2	2																		
Jointing Bay Base Constriction	198	264										2	1	1	1	1	1	1	2	2																		
Pulling and connection of cables	198	286											1	1	1	1	1	1	2	2	3																	
Jointing Bay Walls and Roof	198	330												1	1	1	1	1	2	2	3	3																
Backfill over Jointing Bays	44	132																																		3	3	
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																		3	3	3
Movement of fence line to minimum extents	88	264																					3	3	3	3												
Haul Road Removal (includes removal of fencing) and reinstatement	66	198																																		3	3	3
Removal of access road for National Grid Overhead Line Works	66	198																																		3	3	3
Construction consolidation site and access road Removal	154	462																					3	3	3	3										3	3	3
Plant Operators																																						
Overall Plant Operators	792	11,220	16	16	16	16	22	22	25	25	25	19	21	23	23	23	23	23	16	16	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	20	20	20
Section 3 Engineering Personnel																																						
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Average Total Employees per day			23	23	23	23	32	32	38	40	40	33	31	34	34	34	34	34	28	28	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	39	39	36
Maximum Total Employee Two-way Movements Per Day (car/small van)			46	46	46	46	64	64	76	80	80	66	62	68	68	68	68	68	56	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	78	78	72

Section 4 - Total Vehicle Movement Requirements

Activity	Week																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Materials and Welfare and Operation Plant Daily HGV Movements Total Two-way HGV Movements Per Day	18	18	18	18	34	34	28	32	32	14	16	18	18	18	18	18	10	10	6	4	10	10	10	10	0	0	0	0	0	0	0	0	0	54	54	54
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicle Movements Tab where the percentage increase is presented	23	23	23	23	42	42	35	40	40	18	20	23	23	23	23	23	13	13	8	5	13	13	13	13	0	0	0	0	0	0	0	0	0	67	67	67
Construction Plant Average Total two-way HGV Movements (deliveries / Removals) Per Day	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	4	4	4
Average total two-way HGV Movements Per Day	**25**	**25**	**25**	**25**	**46**	**46**	**39**	**44**	**44**	**22**	**24**	**27**	**27**	**27**	**27**	**27**	**17**	**17**	**10**	**7**	**15**	**15**	**15**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**71**	**71**	**71**
Maximum Total Employee Two-way Movements Per Day (car/small van)	46	46	46	46	64	64	76	80	80	66	62	68	68	68	68	68	56	56	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	78	78	72
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	**51**	**51**	**51**	**51**	**71**	**71**	**84**	**88**	**88**	**73**	**69**	**75**	**75**	**75**	**75**	**75**	**62**	**62**	**42**	**31**	**58**	**58**	**58**	**58**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**86**	**86**	**80**
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	**76**	**76**	**76**	**76**	**117**	**117**	**123**	**132**	**132**	**95**	**93**	**102**	**102**	**102**	**102**	**102**	**79**	**79**	**52**	**38**	**73**	**73**	**73**	**73**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**157**	**157**	**151**

Substation - Average Materials and Welfare and Operation Plant Daily HGV Movements

Activity	Total Working Days	Total HGVs	Months																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Permanent Access Road	0	0																																					
Construction Compound Construction	88	330	4	4	4	4																																	
Welfare Mobilisation	66	25		1	1	1																																	
Site Clearence Works	66	371				6	6	6																															
Project Substation - National Grid Connection	44	10						1	1																														
Development Platform Earthworks	132	1,058				9	9	9	9	9	9																												
Foundation Works	242	2,569							11	11	11	11	11	11	11	11	11	11	11																				
Sub-structure Works	110	18														1	1	1	1	1																			
Super-Structure Works	110	6																1	1	1	1	1																	
M&E Kit Installation	110	230																		3	3	3	3	3															
Wiring Up	132	0																			0	0	0	0	0	0													
Commissioning	264	0																			0	0	0	0	0	0	0	0	0	0	0	0							
Reinstatement	66	0																																		0	0	0
Construction Compound Removal and Welfare Demobilisation	66	355																																		6	6	6
Average Section Skip HGV Movements Per Day	792	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total HGVs per day			4	5	5	20	15	16	21	20	20	11	11	11	11	12	12	13	13	5	4	4	3	3	0	0	0	0	0	0	0	0	0	0	0	6	6	6
Total two-way HGV movements per day			8	10	10	40	30	32	42	40	40	22	22	22	22	24	24	26	26	10	8	8	6	6	0	0	0	0	0	0	0	0	0	0	0	12	12	12

Substation - Monthly Construction Plant Requirements

Activity	Months																																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
D6 Dozer	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1																	1	1	1
30T excavator	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1																	1	1	1
20T dumper	2	2	2	3	3	3	3	2	2	1	1	1	1	1	1	1	1																	1	1	1
Smooth Drum vibro road roller	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1																	1	1	1
21T excavator	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	1																1	1	1
5T Forward Tipping Dumper	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	1																1	1	1
Loading shovel	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1																	1	1	1
Tractor & trailer	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				1	1	1
Tractor & Fuel bowser (or self-propelled)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				1	1	1
Tractor & Water bowser (for dust supression)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																	1	1	1
Grader	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1																	1	1	1
Mobile self-contained welfare unit	1	1	1	1																														1	1	1
Road surface paver & roller							1	1	1	1	1	1	1	1	1	1	1																			
Concrete batching plant							1	1	1	1	1	1	1	1	1	1	1	1	1	1																
Dry-mix silos							2	2	2	2	2	2	2	2	2	2	2	2	2	2																
Cement mixer																1	1	1	1	1																
Mobile crane (light for general use)														1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1						
Mobile crane (heavy)																		1	2	2	1	1	1	1	1	1	1	1	1	1						
Specialist heavy-lifting gantry & associated equipment																		1	2	2	1	1	1	1	1	1	1	1	1	1						
Static crane																1	1	2	3	3	1	1	1	1	1	1	1	1	1	1						
Pre-cast concrete truck							1	1	1	1	1	1	1	2	2	2	2	2	1	1																
Mobile concrete pump							1	1	1	1	1	1	1	2	2	2	2	2	1	1																
Telehandler						1	1							1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
Mobile generator						1	1									1	1	2	2	2	2	2	2	2	2	2	2	2	2	2						
3T Forward Tipping Dumper														1	1	1	1	1																		
Scissor lift																1	1	2	2	2	2	2	2	2	2	2	2	2	2	2						
Mobile powered aerial platform (boom lift / 'cherry picker')																1	1	2	2	2	2	2	2	2	2	2	2	2	2	2						
Scaffolding (deliveries)																1	1	2	2	2	2	2	2	2	2	2	2	2	2	2						
Formwork (deliveries)							1	1	1	1	1	1	1	2	2	2	2	2	1	1																
JCB Wheeled excavator														1	1	2	2	2	1	1																
Forklift																		1	2	2	2	2	2	2	2	2	2	2	2	2						
Pump (4 per delivery)				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																		
Temporary lighting (8 per delivery)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2
Trench Roller						1	1																													
Crawler Crane						1	1																													
Total Plant Onsite In Section Per Month	22	22	22	24	22	26	35	29	29	22	22	22	22	31	31	40	40	38	33	33	20	20	20	20	20	20	20	20	20	20	0	0	0	14	14	14
Total Deliveries / Removals	22	0	0	4	2	4	9	6	0	7	0	0	0	9	0	9	0	18	13	0	13	0	0	0	0	0	0	0	0	0	20	0	0	14	0	14
Average Deliveries / Removals Per Week	6	0	0	1	1	1	3	2	0	2	0	0	0	3	0	3	0	5	4	0	4	0	0	0	0	0	0	0	0	0	5	0	0	4	0	4
Average Total two-way HGV movements (Deliveries / Removals) Per Week	12	0	0	2	2	2	6	4	0	4	0	0	0	6	0	6	0	10	8	0	8	0	0	0	0	0	0	0	0	0	10	0	0	8	0	8
Average Total two-way HGV movements (Deliveries / Removals) Per Day	3	0	0	1	1	1	2	1	0	1	0	0	0	2	0	2	0	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2

Substation - Average Daily Personnel Requirements

Number of Additional Site Personel Per Activity (general labourers, drillers, drilling foremen, electricians, joiners, bricklayers etc)	Total Working Days	Total Person Days	Months																																				
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Permanent Access Road	0	#DIV/0!																																					
Construction Compound Construction	88	264	3	3	3	3																																	
Site Clearence Works	66	132				2	2	2																															
Project Substation - National Grid Connection	44	132						3	3																														
Development Platform Earthworks	132	396				3	3	3	3	3	3																												
Foundation Works	198	748							4	4	4	4	4	4	4	3	3																						
Sub-structure Works	110	374												4	4	3	3	3																					
Super-Structure Works	110	374														3	3	3	4	4																			
M&E Kit Installation	110	506																4	5	5	5	4																	
Wiring Up	110	528																				4	5	5	5	5													
Commissioning	264	1,056																			3	3	3	3	3	3	5	5	5	5	5	5							
Reinstatement	66	396																																		6	6	6	
Construction Compound Removal and Welfare Demobilisation	66	396																																		6	6	6	
Plant Operators																																							
Overall Plant Operators	792	11,220	19	19	19	19	18	19	24	21	21	14	14	14	14	22	22	27	27	20	17	17	9	9	9	9	9	9	9	9	9	9	0	0	0	11	11	11	
Substation Engineering Personnel																																							
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	3,168	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Project Engineering Personnel Based at Substation																																							
Head Engineer, 1 x Admin Staff, QS, Overall Site Foreman, H&S Supervisor, Environmental Clerk, Lead Surveyor, 1 x catering staff, 1 x client representative and 1 x owners engineers	792	7,920	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Average Total Employees per day			36	36	36	41	37	41	48	42	42	32	32	36	36	45	45	51	50	43	39	42	31	31	31	31	28	28	28	28	28	28	14	14	14	37	37	37	
Maximum Total Employee Two-way Movements Per Day (car/small van			72	72	72	82	74	82	96	84	84	64	64	72	72	90	90	102	100	86	78	84	62	62	62	62	56	56	56	56	56	56	28	28	28	74	74	74	

Substation - Total Vehicle Movement Requirements

Activity	Week																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
Materials and Welfare and Operation Plant Daily HGV Movements Total Two way HGV Movements Per Day	8	10	10	40	30	32	42	40	40	22	22	22	22	24	24	26	26	10	8	8	6	6	0	0	0	0	0	0	0	0	0	0	0	12	12	12		
Increase to account for Miscellaneous allowances (Nominal 25% increased)	10	13	13	50	38	40	53	50	50	28	28	28	28	30	30	33	33	13	10	10	8	8	0	0	0	0	0	0	0	0	0	0	0	15	15	15		
Construction Plant Average Total two-way HGV Movements (deliveries Removals) Per Week)	3	0	0	1	1	1	2	1	0	1	0	0	0	2	0	2	0	2	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2		
Average total two-way HGV Movements Per Day	13	13	13	51	39	41	55	51	50	29	28	28	28	32	30	35	33	15	12	10	10	8	0	0	0	0	0	0	0	0	2	0	0	17	15	17		
Maximum Total Employee Two-way Movements Per Day (car/small van	72	72	72	82	74	82	96	84	84	64	64	72	72	90	90	102	100	86	78	84	62	62	62	62	56	56	56	56	56	56	28	28	28	74	74	74		
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	80	80	80	91	82	91	106	93	93	71	71	80	80	99	99	113	110	95	86	93	69	69	69	69	62	62	62	62	62	62	31	31	31	82	82	82		
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	93	93	93	142	121	132	161	144	143	100	99	108	108	131	129	148	143	110	98	103	79	77	69	69	62	62	62	62	62	62	33	31	31	99	97	99		

National Grid Works

Construction Vehicle movements (quarterly)																				
Activities	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Site Enabling																				
HGVs	3000	3000	1500																	
LGVs	950	450	250																	
Substation Works																				
HGVs			160	300	650	650	650	650	800	800	1800	1800	1800	1800	500	500	20	20	40	44
LGVs			720	1120	1900	2180	2180	2180	1850	1850	1850	1850	800	800	800	400	200	200	200	200
Overhead Line Works																				
HGVs						268	268	268	268	402	402			134	264	264			402	402
LGVs						360	360	360	360	360	360			180	360	360				

Total two-way HGV movements per quarter	3000	3000	1660	300	650	918	918	918	1068	1202	2202	1800	1800	1934	764	764	20	20	442	446
Total two-way daily HGV movements (assuming 66 working days per quarter)	45	45	25	5	10	14	14	14	16	18	33	27	27	29	12	12	0	0	7	7
Total dail deliverieries	23	23	13	2	5	7	7	7	8	9	17	14	14	15	6	6	0	0	3	3
Total two-way LGV movements per quarter	950	450	970	1120	1900	2540	2540	2540	2210	2210	2210	1850	800	980	1160	760	200	200	200	200
Total two-way daily LGV movements (assuming 66 workidn days per quarter)	14	7	15	17	29	38	38	38	33	33	33	28	12	15	18	12	3	3	3	3
Total daily LGV arrivals	7	3	7	8	14	19	19	19	17	17	17	14	6	7	9	6	2	2	2	2