East Anglia ONE North Offshore Windfarm

Appendix 26.20

HGV and Employee Traffic Assigned to the Construction Programme (Scenario 1)

Preliminary Environmental Information
Volume 3
EA1N-DEVWF-ENV-REP-IBR-000295_020

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	383	9	9																																				
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	374			9	9																																		
Mobilisation of HDD Kit and Welfare to Landfall Compound	22	71				4																																		
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	270	2,318					9	9	9	9	9	9	9	9	9																									
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works & Ducting)	0	0																																						
Demobilisation of HDD kit and welfare	22	71														4																								
Transition Bays at Landfall																																								
Excavation of transition bays	66	91														2	2	2																						
Construction of transition bay base	44	18															1	1																						
Connection of Cables in Transition Bays	66	0																	0	0	0																			
Transition bay Walls	66	30																1	1	1																				
Transition bay roof and backfill over transition bay	66	42																	1	1	1																			
Landfall Compound Removal and Reinstatement	44	374																			9	9																		
Haul Road Removal (includes removal of fencing) and reinstatement	44	272																					7	7																
Demobilisation of Welfare from CCS	22	20																					1																	
Removal of Accesses and CCS	66	383																						6	6	6														
Removal of Accesses and Holding Area at Elm Tree Farm	22	36																								2														
Average Section Skip HGV Movements Per Day	528	113	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			13	18	17	14	10	10	10	10	10	10	10	10	10	7	4	5	3	3	11	10	9	14	7	9	0	0	0	0	0	0	0	0	0	0	0	0
Total two-way HGV movements per day			26	36	34	28	20	20	20	20	20	20	20	20	20	14	8	10	6	6	22	20	18	28	14	18	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	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	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	308	616	2	2	2	2											2	2	2	2	2	2	2	2	2	2												
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	26	8	8	8	8	8	8	8	8	8	20	22	32	32	32	29	21	22	25	21	24	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	52	16	16	16	16	16	16	16	16	16	40	44	64	64	64	58	42	44	50	42	48	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	26	36	34	28	20	20	20	20	20	20	20	20	20	14	8	10	6	6	22	20	18	28	14	18	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	33	45	43	35	25	25	25	25	25	25	25	25	25	18	10	13	8	8	28	25	23	35	18	23	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	**35**	**45**	**45**	**37**	**27**	**25**	**25**	**25**	**25**	**25**	**25**	**25**	**25**	**20**	**12**	**15**	**10**	**8**	**30**	**27**	**25**	**37**	**20**	**23**	**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	52	16	16	16	16	16	16	16	16	16	40	44	64	64	64	58	42	44	50	42	48	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**	**58**	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**18**	**44**	**49**	**71**	**71**	**71**	**64**	**47**	**49**	**55**	**47**	**53**	**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)	**95**	**107**	**105**	**95**	**45**	**43**	**43**	**43**	**43**	**43**	**43**	**43**	**43**	**64**	**61**	**86**	**81**	**79**	**94**	**74**	**74**	**92**	**67**	**76**	**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	1,170	14	14	14	14																																
Mobilisation of Welfare and Operation Plant to CCS	88	55	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	510							3	3	3	3	3	3	3	3	3	3																				
Duct Installation	220	307							2	2	2	2	2	2	2	2	2	2																				
Trench Backfill	198	23								1	1	1	1	1	1	1	1	1																				
Jointing Bay Excavation	242	459								2	2	2	2	2	2	2	2	2	2	2																		
Jointing Bay Base Constriction	198	31										1	1	1	1	1	1	1	1	1																		
Pulling and connection of cables	198	90											1	1	1	1	1	1	1	1	1																	
Jointing Bay Walls and Roof	198	93												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	384					6	6	6																													
Mobilisation of HDD Kit and Welfare to Onshore drilling Compound	22	70								4																												
HDD Drilling works & Ducting (assume working 24/7 7 days a week)	120	168								2	2	2	2																									
HDD Drilling risk programme 'float' (Total HDD HGV movements included in HDD Drilling Works &	30	0												0																								
Demobilisation of HDD kit and welfare	22	70													4																							
Removal of Onshore HDD Entry pit compound	66	384															6	6	6																			
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	55																																		1	1	1
Construction consolidation site and access road Removal	154	1,170																					8	8	8	8										8	8	8
Average Section Skip HGV Movements Per Day	594	254	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	16	16	16	16	21	21	12	15	11	12	13	12	16	12	18	18	12	6	3	2	9	9	9	9	0	0	0	0	0	0	0	0	0	19	19	19
		Total two-way HGV movements per day	32	32	32	32	42	42	24	30	22	24	26	24	32	24	36	36	24	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	38	38	38

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	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2										3	3	3
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	8	8	4	2			2	2	2	2										6	6	6
Smooth Drum vibrio road roller	1	1	1	1	2	2	1								1	1	1				1	1	1	1										2	2	2
21T excavator	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1										3	3	3
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1										3	3	3
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2				2	2	2	2										3	3	3
Trench Roller							2	2	2	2	2	2	2	2	2	2																		2	2	2
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	2	2	2	2	2	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	21	21	21	21	32	32	34	34	34	35	37	41	41	41	47	47	37	25	17	12	19	19	19	19	0	0	0	0	0	0	0	0	0	36	36	36
Total Deliveries / Removals	21	0	0	0	17	0	8	6	0	1	2	4	0	0	6	0	10	12	8	5	19	0	0	0	19	0	0	0	0	0	0	0	0	36	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														3	3	
Backfill over Jointing Bays	44	132																																		3	3	3
Trench Route Reinstatement / Topsoil Reinstatement	66	198																																				
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	240								2	2	2	2																									
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	14,300	17	17	17	16	28	28	28	27	27	28	30	33	33	33	39	39	29	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	28	28	28
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			41	41	41	40	58	58	58	58	58	61	59	65	64	61	70	70	61	46	36	31	43	43	43	43	21	21	21	21	21	21	21	21	21	61	61	58
Maximum Total Employee Two-way Movements Per Day (car/small van)			82	82	82	80	116	116	116	116	116	122	118	130	128	122	140	140	122	92	72	62	86	86	86	86	42	42	42	42	42	42	42	42	42	122	122	116

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	32	32	32	32	42	42	24	30	22	24	26	24	32	24	36	36	24	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	38	38	38
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	40	40	40	40	52	52	30	37	27	30	32	30	40	30	44	44	30	15	8	5	22	22	22	22	0	0	0	0	0	0	0	0	0	47	47	47
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	42	40	40	40	54	52	32	39	27	32	34	32	40	30	46	44	32	17	10	7	24	22	22	22	2	0	0	0	0	0	0	0	0	51	47	51
Maximum Total Employee Two-way Movements Per Day (car/small van)	82	82	82	80	116	116	116	116	116	122	118	130	128	122	140	140	122	92	72	62	86	86	86	86	42	42	42	42	42	42	42	42	42	122	122	116
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	91	91	91	88	128	128	128	128	128	135	130	143	141	135	154	154	135	102	80	69	95	95	95	95	47	47	47	47	47	47	47	47	47	135	135	128
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van	133	131	131	128	182	180	160	167	155	167	164	175	181	165	200	198	167	119	90	76	119	117	117	117	49	47	47	47	47	47	47	47	47	186	182	179

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	1,170	14	14	14	14																																	
Mobilisation of Welfare and Operation Plant to CCS	88	110	2	2	2	2																																	
Site preparation including fencing, temporary drainage and haul road constructior	44	540					13	13																															
Onshore Export Cable Installation Sction 2A and 2B																																							
Trench Route Clearance / Topsoil Strip	44	0					0	0																															
Trench Excavation	220	549							3	3	3	3	3	3	3	3	3	3																					
Duct Installation	220	331							2	2	2	2	2	2	2	2	2	2																					
Trench Backfill	198	26								1	1	1	1	1	1	1	1	1																					
Jointing Bay Excavation	242	552								3	3	3	3	3	3	3	3	3	3	3																			
Jointing Bay Base Constriction	198	38										1	1	1	1	1	1	1	1	1																			
Pulling and connection of cables	198	90											1	1	1	1	1	1	1	1	1																		
Jointing Bay Walls and Roof	198	113												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	166						4	4																														
Mobilisation of HDD Kit and Welfare to Onshore drilling Compound	22	15								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	15													1																								
Removal of Onshore HDD Enry pit compound	44	166															4	4																					
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	110																																		2	2	2	
Construction consolidation site and access road Removal	154	1,170																					8	8	8	8										8	8	8	
Average Section Skip HGV Movements Per Day	594	254	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	17	17	17	17	14	18	10	11	10	11	12	13	14	13	17	17	7	7	3	2	9	9	9	9	0	0	0	0	0	0	0	0	0	20	20	20	
		Total two-way HGV movements per day	34	34	34	34	28	36	20	22	20	22	24	26	28	26	34	34	14	14	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	40	40	40	

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	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2			2	2	2	2										3	3	3
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	8	8	4	2			2	2	2	2										6	6	6
Smooth Drum vibrio road roller	1	1	1	1	2	2	1								1	1	1				1	1	1	1										2	2	2
21T excavator	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1										3	3	3
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	1			1	1	1	1										3	3	3
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	2				2	2	2	2										3	3	3
Trench Roller							2	2	2	2	2	2	2	2	2	2																		2	2	2
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	2	2	2	2	2	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	21	21	21	21	32	32	34	34	34	35	37	41	41	41	47	47	37	25	17	12	19	19	19	19										36	36	36
Total Deliveries / Removals	21	0	0	0	17	0	8	6	0	1	2	4	0	0	6	0	10	12	8	5	19	0	0	0	19	0	0	0	0	0	0	0	0	36	0	36
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	14,322	17	17	17	17	28	28	28	27	27	28	30	33	33	33	39	39	29	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	28	28	28	
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			24	24	24	24	38	41	41	40	40	43	41	48	47	44	53	53	41	29	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	44	44	41	
Maximum Total Employee Two-way Movements Per Day (car/small van)			48	48	48	48	76	82	82	80	80	86	82	96	94	88	106	106	82	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	88	88	82	

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	34	34	34	34	28	36	20	22	20	22	24	26	28	26	34	34	14	14	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	40	40	40
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	42	42	42	42	34	44	25	27	25	27	30	32	34	32	42	42	17	17	8	5	22	22	22	22	0	0	0	0	0	0	0	0	0	49	49	49
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	44	42	42	42	36	44	27	29	25	29	32	34	34	32	44	42	19	19	10	7	24	22	22	22	2	0	0	0	0	0	0	0	0	53	49	53
Maximum Total Employee Two-way Movements Per Day (car/small van)	48	48	48	48	76	82	82	80	80	86	82	96	94	88	106	106	82	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	88	88	82
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	53	53	53	53	84	91	91	88	88	95	91	106	104	97	117	117	91	64	42	31	58	58	58	58	9	9	9	9	9	9	9	9	9	97	97	91
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	97	95	95	95	120	135	118	117	113	124	123	140	138	129	161	159	110	83	52	38	82	80	80	80	11	9	9	9	9	9	9	9	9	150	146	144

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	1,170	14	14	14	14																																	
Mobilisation of Welfare and Operation Plant to CCS	88	55	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	400							2	2	2	2	2	2	2	2	2	2																					
Duct Installation	220	241							2	2	2	2	2	2	2	2	2	2																					
Trench Backfill	198	18								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	19										1	1	1	1	1	1	1	1	1																			
Pulling and connection of cables	198	61											1	1	1	1	1	1	1	1	1																		
Jointing Bay Walls and Roof	198	56												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	110																																		2	2	2	
Construction consolidation site and access road Removal	154	1,170																					8	8	8	8										8	8	8	
Average Section Skip HGV Movements Per Day	594	228	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	16	16	16	16	9	9	5	8	8	9	10	11	11	11	11	11	6	6	3	2	9	9	9	9	0	0	0	0	0	0	0	0	0	17	17	17	
		Total two-way HGV movements per day	32	32	32	32	18	18	10	16	16	18	20	22	22	22	22	22	12	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	34	34	34	

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	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	2	2			2	2	2	2										3	3	3
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	6	6	2	2			2	2	2	2										6	6	6
Smooth Drum vibrio road roller	1	1	1	1	2	2	1														1	1	1	1										2	2	2
21T excavator	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1										3	3	3
5T Forward Tipping Dumper	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1										3	3	3
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3					2	2	2	2										3	3	3
Trench Roller							2	2	2	2	2	2	2	2	2	2																		2	2	2
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	2	2	2	2	2	2	2	2	2	2	2	2	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	2	2	2	2	2	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	21	21	21	21	30	30	34	34	34	35	37	41	41	41	41	41	25	25	17	12	19	19	19	19										36	36	36
Total Deliveries / Removals	21				15		10	6		1	2	4					16		8	5	19				19									36		36
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	13,706	17	17	17	17	26	26	28	27	27	28	30	33	33	33	33	33	17	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	28	28	28	
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			24	24	24	24	36	36	38	39	39	42	40	44	44	44	44	44	29	29	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	44	44	41	
Maximum Total Employee Two-way Movements Per Day (car/small van)			48	48	48	48	72	72	76	78	78	84	80	88	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	88	88	82	

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	32	32	32	32	18	18	10	16	16	18	20	22	22	22	22	22	12	12	6	4	18	18	18	18	0	0	0	0	0	0	0	0	0	34	34	34		
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicl Movements Tab where the percentage increase is presented	41	41	41	41	23	23	13	21	21	23	26	28	28	28	28	28	16	16	8	6	23	23	23	23	0	0	0	0	0	0	0	0	0	44	44	44		
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	43	41	41	41	25	23	15	23	21	25	28	30	28	28	28	28	18	16	10	8	25	23	23	23	2	0	0	0	0	0	0	0	0	48	44	48		
Maximum Total Employee Two-way Movements Per Day (car/small van)	48	48	48	48	72	72	76	78	78	84	80	88	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	88	88	82		
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	53	53	53	53	80	80	84	86	86	93	88	97	97	97	97	97	64	64	42	31	58	58	58	58	9	9	9	9	9	9	9	9	9	97	97	91		
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	96	94	94	94	105	103	99	109	107	118	116	127	125	125	125	125	82	80	52	39	83	81	81	81	11	9	9	9	9	9	9	9	9	145	141	139		

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	1,170	14	14	14	14																																	
Mobilisation of Welfare and Operation Plant to CCS	88	55	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	460							3	3	3	3	3	3	3	3	3	3																					
Duct Installation	220	279							2	2	2	2	2	2	2	2	2	2																					
Trench Backfill	198	22								1	1	1	1	1	1	1	1	1																					
Jointing Bay Excavation	242	368								2	2	2	2	2	2	2	2	2	2	2																			
Jointing Bay Base Constriction	198	25										1	1	1	1	1	1	1	1	1																			
Pulling and connection of cables	198	71											1	1	1	1	1	1	1	1	1																		
Jointing Bay Walls and Roof	198	75												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	55																																		1	1	1	
Construction consolidation site and access road Removal	154	1,170																					8	8	8	8										8	8	8	
Average Section Skip HGV Movements Per Day	594	772	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	
Total HGVs per day			17	17	17	17	18	18	17	20	20	11	12	13	13	13	13	13	7	7	4	3	10	10	10	10	0	0	0	0	0	0	0	0	0	32	32	32	
Total two-way HGV movements per day			34	34	34	34	36	36	34	40	40	22	24	26	26	26	26	26	14	14	8	6	20	20	20	20	0	0	0	0	0	0	0	0	0	64	64	64	

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	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	2	2			2	2	2	2										3	3	3
20T Dumper	3	3	3	3	5	5	5	6	6	6	6	6	6	6	6	6	2	2			2	2	2	2										6	6	6
Smooth Drum vibrio road roller	1	1	1	1	2	2	1	1	1												1	1	1	1										2	2	2
21T excavator	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1										3	3	3
5T Forward Tipping Dumper	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	1	1			1	1	1	1										3	3	3
Loading shovel	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3					2	2	2	2										3	3	3
Trench Roller							2	2	2	2	2	2	2	2	2	2																		2	2	2
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	2	2	2	2	2	2	2	2	2	2	2	2	1	1																
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Crawler Crane							1	1	1	1	1	2	2	2	2	2	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	21	21	21	21	30	30	36	38	38	35	37	41	41	41	41	41	25	25	17	12	19	19	19	19										36	36	36
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	13,926	17	17	17	17	26	26	30	31	31	28	30	33	33	33	33	33	17	17	9	7	16	16	16	16	0	0	0	0	0	0	0	0	0	28	28	28	
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			24	24	24	24	36	36	43	46	46	42	40	44	44	44	44	44	29	29	19	14	26	26	26	26	4	4	4	4	4	4	4	4	4	47	47	44	
Maximum Total Employee Two-way Movements Per Day (car/small van)			48	48	48	48	72	72	86	92	92	84	80	88	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	94	94	88	

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	34	34	34	34	36	36	34	40	40	22	24	26	26	26	26	26	14	14	8	6	20	20	20	20	0	0	0	0	0	0	0	0	0	64	64	64
Increase to account for Miscellaneous allowances presented in Page 11 of Materials Vehicle Movements Tab where the percentage increase is presented	42	42	42	42	45	45	42	50	50	27	30	32	32	32	32	32	18	18	10	8	25	25	25	25	0	0	0	0	0	0	0	0	0	79	79	79
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	**44**	**44**	**44**	**44**	**49**	**49**	**46**	**54**	**54**	**31**	**34**	**36**	**36**	**36**	**36**	**36**	**22**	**22**	**12**	**10**	**27**	**27**	**27**	**27**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**83**	**83**	**83**
Maximum Total Employee Two-way Movements Per Day (car/small van)	48	48	48	48	72	72	86	92	92	84	80	88	88	88	88	88	58	58	38	28	52	52	52	52	8	8	8	8	8	8	8	8	8	94	94	88
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	**53**	**53**	**53**	**53**	**80**	**80**	**95**	**102**	**102**	**93**	**88**	**97**	**97**	**97**	**97**	**97**	**64**	**64**	**42**	**31**	**58**	**58**	**58**	**58**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**104**	**104**	**97**
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	**97**	**97**	**97**	**97**	**129**	**129**	**141**	**156**	**156**	**124**	**122**	**133**	**133**	**133**	**133**	**133**	**86**	**86**	**54**	**41**	**85**	**85**	**85**	**85**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**9**	**187**	**187**	**180**

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	66	1,025	16	16	16																																			
Construction Compound Construction	88	642	8	8	8	8																																		
Welfare Mobilisation	66	50		2	2	2																																		
Site Clearence Works	66	654				10	10	10																																
Project Substation - National Grid Connection	44	15						1	1																															
Development Platform Earthworks	132	35				1	1	1	1	1	1																													
Foundation Works	242	7,112							30	30	30	30	30	30	30	30	30	30	30																					
Sub-structure Works	110	70														1	1	1	1	1																				
Super-Structure Works	110	22																1	1	1	1	1																		
M&E Kit Installation	110	904																		9	9	9	9	9																
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	692																																		11	11	11		
Average Section Skip HGV Movements Per Day	792	544	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	1	1	1		
Total HGVs per day			24	26	26	21	11	12	32	31	31	30	30	30	30	31	31	32	32	11	10	10	9	9	0	0	0	0	0	0	0	0	0	0	0	11	11	11		
Total two-way HGV movements per day			48	52	52	42	22	24	64	62	62	60	60	60	60	62	62	64	64	22	20	20	18	18	0	0	0	0	0	0	0	0	0	0	0	22	22	22		

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	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																	2	2	2
30T excavator	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																	2	2	2
20T dumper	4	4	4	6	6	6	6	4	4	2	2	2	2	2	2	2	2																	2	2	2
Smooth Drum vibro road roller	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2																	2	2	2
21T excavator	4	4	4	4	4	4	4	4	4	2	2	2	2	4	4	4	4	2																2	2	2
5T Forward Tipping Dumper	4	4	4	4	4	4	4	4	4	2	2	2	2	4	4	4	4	2																2	2	2
Loading shovel	4	4	4	2	2	2	4	2	2	2	2	2	2	2	2	2	2																	2	2	2
Tractor & trailer	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
Tractor & Fuel bowser (or self-propelled)	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
Tractor & Water bowser (for dust supression)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																	2	2	2
Grader	4	4	4	4	2	2	4	4	4	2	2	2	2	2	2	2	2																	2	2	2
Mobile self-contained welfare unit	2	2	2	2																														2	2	2
Road surface paver & roller	2	2	2				2	2	2	2	2	2	2	2	2	2	2																			
Concrete batching plant							2	2	2	2	2	2	2	2	2	2	2	2	2	2																
Dry-mix silos							4	4	4	4	4	4	4	4	4	4	4	4	4	4																
Cement mixer																2	2	2	2	2																
Mobile crane (light for general use)														2	2	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2						
Mobile crane (heavy)																		2	4	4	2	2	2	2	2	2	2	2	2	2						
Specialist heavy-lifting gantry & associated equipment																		2	4	4	2	2	2	2	2	2	2	2	2	2						
Static crane																2	2	4	6	6	2	2	2	2	2	2	2	2	2	2						
Pre-cast concrete truck							2	2	2	2	2	2	2	4	4	4	4	4	2	2																
Mobile concrete pump							2	2	2	2	2	2	2	4	4	4	4	4	2	2																
Telehandler						2	2							2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
Mobile generator						2	2									2	2	4	4	4	4	4	4	4	4	4	4	4	4	4						
3T Forward Tipping Dumper														2	2	2	2	2																		
Scissor lift																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4						
Mobile powered aerial platform (boom lift / 'cherry picker')																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4						
Scaffolding (deliveries)																2	2	4	4	4	4	4	4	4	4	4	4	4	4	4						
Formwork (deliveries)							2	2	2	2	2	2	2	4	4	4	4	4	2	2																
JCB Wheeled excavator														2	2	4	4	4	2	2																
Forklift																		2	4	4	4	4	4	4	4	4	4	4	4	4						
Pump (4 per delivery)				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																		
Temporary lighting (8 per delivery)	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
Trench Roller						2	2																													
Crawler Crane						2	2																													
Total Plant Onsite In Section Per Month	46	46	46	46	42	50	68	56	56	42	42	42	42	60	60	78	78	74	66	66	40	40	40	40	40	40	40	40	40	40	0	0	0	28	28	28
Total Deliveries / Removals	46	0	0	8	4	8	18	12	0	14	0	0	0	18	0	18	0	36	24	0	26	0	0	0	0	0	0	0	0	0	40	0	0	28	0	28
Average Deliveries / Removals Per Week	12	0	0	2	1	2	5	3	0	4	0	0	0	5	0	5	0	9	6	0	7	0	0	0	0	0	0	0	0	0	10	0	0	7	0	7
Average Total two-way HGV movements (Deliveries / Removals) Per Week	24	0	0	4	2	4	10	6	0	8	0	0	0	10	0	10	0	18	12	0	14	0	0	0	0	0	0	0	0	0	20	0	0	14	0	14
Average Total two-way HGV movements (Deliveries / Removals) Per Day	5	0	0	1	1	1	2	2	0	2	0	0	0	2	0	2	0	4	3	0	3	0	0	0	0	0	0	0	0	0	4	0	0	3	0	3

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	66	264	4	4	4																																		
Construction Compound Construction	66	198		3	3	3																																	
Site Clearence Works	66	132				2	2	2																															
Project Substation - National Grid Connection	44	264						6	6																														
Development Platform Earthworks	132	396				3	3	3	3	3	3																												
Foundation Works	198	1,496							8	8	8	8	8	8	8	6	6																						
Sub-structure Works	110	748												8	8	6	6	6																					
Super-Structure Works	110	748														6	6	6	8	8																			
M&E Kit Installation	110	1,012																8	10	10	10	8																	
Wiring Up	110	1,056																				8	10	10	10	10													
Commissioning	264	2,112																			6	6	6	6	6	6	10	10	10	10	10	10							
Reinstatement	66	396																																		6	6	6	
Construction Compound Removal and Welfare Demobilisation	66	396																																		6	6	6	
Plant Operators																																							
Overall Plant Operators	792	22,572	40	40	40	38	36	38	48	42	42	28	28	28	28	44	44	54	54	40	34	34	18	18	18	18	18	18	18	18	18	18	0	0	0	22	22	22	
Substation Engineering Personnel																																							
Lead Engineer, 1 x Assistant Engineers, 1 x surveyors, 1 x Foreman	792	6,336	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
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			62	65	65	64	59	67	83	71	71	54	54	62	62	80	80	92	90	76	68	74	52	52	52	52	46	46	46	46	46	46	18	18	18	52	52	52	
Maximum Total Employee Two-way Movements Per Day (car/small van			124	130	130	128	118	134	166	142	142	108	108	124	124	160	160	184	180	152	136	148	104	104	104	104	92	92	92	92	92	92	36	36	36	104	104	104	

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	48	52	52	42	22	24	64	62	62	60	60	60	60	62	62	64	64	22	20	20	18	18	0	0	0	0	0	0	0	0	0	0	0	22	22	22		
Increase to account for Miscellaneous allowances (Nominal 25% increased)	60	65	65	53	28	30	80	78	78	75	75	75	75	78	78	80	80	28	25	25	23	23	0	0	0	0	0	0	0	0	0	0	0	28	28	28		
Construction Plant Average Total two-way HGV Movements (deliveries Removals) Per Week	5	0	0	1	1	1	2	2	0	2	0	0	0	2	0	2	0	4	3	0	3	0	0	0	0	0	0	0	0	0	4	0	0	3	0	3		
Average total two-way HGV Movements Per Day	65	65	65	54	29	31	82	80	78	77	75	75	75	80	78	82	80	32	28	25	26	23	0	0	0	0	0	0	0	0	4	0	0	31	28	31		
Maximum Total Employee Two-way Movements Per Day (car/small van	124	130	130	128	118	134	166	142	142	108	108	124	124	160	160	184	180	152	136	148	104	104	104	104	92	92	92	92	92	92	36	36	36	104	104	104		
Employee Two-Way Movmentes Plus additional 10% for Miscellaneous Movements	137	143	143	141	130	148	183	157	157	119	119	137	137	176	176	203	198	168	150	163	115	115	115	115	102	102	102	102	102	102	40	40	40	115	115	115		
Maximum Total HGV and Car/small van Two-way Movements Per Day (car/small van)	202	208	208	195	159	179	265	237	235	196	194	212	212	256	254	285	278	200	178	188	141	138	115	115	102	102	102	102	102	102	44	40	40	146	143	146		

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