

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S501 - WC08									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Nov 2022 - Oct 2024	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL			120	113	107	121	117	112	

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S501 - WC08									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Nov 2024 - Jan 2028	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		118	113	106	122	116	109		
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S502 - WC08									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Nov 2022 - Oct 2024	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S502 - WC08									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Nov 2024 - Jan 2028	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		118	113	106	122	116	109		
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S506 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S506 - WC22				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S507 - WC21									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Jul 2019 - Jun 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				128	128	118	128	128	118
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				128	128	118	128	128	118

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S507 - WC21				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2020 - Jan 2021	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S508 - WC21									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Jul 2018 - Jun 2019	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S508 - WC21				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2019 - Jan 2020	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Site Formation / GIC (per about 2 ha) - S509 - WC21									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Jul 2018 - Jun 2019	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				128	128	118	128	128	118
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				128	128	118	128	128	118

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S509 - WC21									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2019 - Jan 2020	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		118	113	106	122	116	109		
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Site Formation / GIC (per about 2 ha) - S510 - WC21												
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Site Clearance	Jul 2018 - Jun 2019	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98			
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101			
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
				120	112	106	121	113	107			
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
				118	110	102	118	110	102			
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
				118	107	102	118	107	102			
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112			
		Generator (CNP103) (100%)	3	95	90	75	100	95	80			
				112	112	107	117	117	112			
Slopework (Soil Nail)		Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100			
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Grout Pump (100%)	1	105	105	100	105	105	100			
		Grout Mixer (100%)	1	90	90	75	90	90	75			
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99			
				128	128	118	128	128	118			
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100			
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92			
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90			
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
				118	113	106	118	113	106			
Maximum SWL				128	128	118	128	128	118			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S510 - WC21				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2019 - Jan 2020	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Site Formation / GIC (per about 2 ha) - S511 - WC21									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Jul 2018 - Jun 2019	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				128	128	118	128	128	118
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				128	128	118	128	128	118

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S511 - WC21				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2019 - Jan 2020	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S513 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S513 - WC22				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						
Site Formation / GIC (per about 2 ha) - S514 - WC22										
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98	
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101	
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101	
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101	
				120	112	106	121	113	107	
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
				118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
				118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112	
		Generator (CNP103) (100%)	3	95	90	75	100	95	80	
					112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100	
		Grout Pump (100%)	1	105	105	100	105	105	100	
		Grout Mixer (100%)	1	90	90	75	90	90	75	
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99	
				113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100	
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
				118	113	106	118	113	106	
Maximum SWL				120	113	107	121	117	112	

Note: Only maximum SWL is applied as the worst case scenario.

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Site Formation / GIC (per about 2 ha) - S514 - WC22				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S515 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S516 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Site Formation (per about 2 ha) - S517 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S518 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S519 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Oct 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	1	112	112	107	112	112	107
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	112	112	107	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	113	107

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S519 - WC22				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S520 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Feb 2025 - Sep 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S521 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Feb 2025 - Sep 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S522 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Feb 2025 - Sep 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S523 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Feb 2025 - Sep 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S524 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	2	112	112	107	115	115	110
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	115	115	110	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	115	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S525 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S525 - WC22				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S526 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	2	112	112	107	115	115	110
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	115	115	110	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	115	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S527 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S528 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S534 - WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Jan 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S535 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Mar 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	1	112	112	107	112	112	107
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	112	112	107	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	113	107

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S536 - WC15										
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Site Clearance	Aug 2024 - Mar 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98	
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101	
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101	
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101	
				120	112	106	121	113	107	
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
			118	110	102	118	110	102		
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
			118	107	102	118	107	102		
Vertical drains		Vertical band drain installation rig (100%)	1	112	112	107	112	112	107	
		Generator (CNP103) (100%)	3	95	90	75	100	95	80	
			112	112	107	112	112	107		
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100	
		Grout Pump (100%)	1	105	105	100	105	105	100	
		Grout Mixer (100%)	1	90	90	75	90	90	75	
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99	
			113	113	107	113	113	107		
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100	
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
			118	113	106	118	113	106		
Maximum SWL				120	113	107	121	113	107	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S537 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Mar 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	1	112	112	107	112	112	107
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	112	112	107	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	113	107

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S538 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Aug 2024 - Mar 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	1	112	112	107	112	112	107
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	112	112	107	
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	113	107	121	113	107

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S539 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S540 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S541 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S542 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S543 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S544 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Dec 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S545 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Dec 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S546 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Dec 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S547 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Dec 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S548 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S548 - WC15				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S549 - WC15									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Apr 2025 - Nov 2025	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			113	113	107	113	113	107	
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S549 - WC15				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2026 - Jan 2027	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S550 - WC19									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Nov 2016 - Jan 2018	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S551 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Feb 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Site Formation / GIC (per about 2 ha) - S552 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2020 - Feb 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	2	112	112	107	115	115	110
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	115	115	110
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	115	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S552 - WC06				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Mar 2021 - Aug 2021	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S553 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Feb 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S554 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Feb 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S555 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Feb 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME Total SWL					
Internal Access Route (per 200m) - S556 – WC22									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Aug 2026 - Jan 2028	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Internal Access Route (per 200m) - S557 – WC22									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Aug 2026 - Jan 2028	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S558 – WC22									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Feb 2025 - Jul 2026	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S562 – WC28				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Piling, Large Bored Pile (CNP166) (100%)		2	100	100	95	103	103	98		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Air compressor (CNP002) (100%)		1	102	102	87	102	102	87		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
Breaker (CNP025) (100%)		1	111	111	106	111	111	106		
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
Piling, Large Bored Pile (CNP166) (100%)		1	100	100	95	100	100	95		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
Breaker, handheld (CNP023) (100%)		1	102	102	92	102	102	92		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Bar Bender, Cutter (CNP021) (100%)		1	90	90	90	90	90	90		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
Concrete Pump (CNP047) (100%)		1	109	109	94	109	109	94		
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Lorry (CNP141) (100%)		1	112	105	100	112	105	100		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Asphalt Paver (CNP004) (100%)		1	109	104	99	109	104	99		
Roller (CNP185) (100%)		1	108	104	99	108	104	99		
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Internal Access Route (per 200m) - S564 – WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2020 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	111	106	119	112	106	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	105	101	118	105	101	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S565 – WC06												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Mar 2020 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S566 – WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	105	101	118	105	101	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				111	108	102	111	108	102
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		112	107	102	112	107	102		
Maximum SWL				118	108	102	118	108	102

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Internal Access Route (per 200m) - S567 – WC06									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S568 – WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S569 – WC06												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S570 – WC06												
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
			118	107	102	118	107	102				
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Truck (CNP067) (100%)	1	117	105	100	117	105	100			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
		118	105	101	118	105	101					
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
			111	108	102	111	108	102				
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
	112	107	102	112	107	102						
Maximum SWL				118	108	102	118	108	102			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S571 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S572 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	111	106	119	112	106	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	105	101	118	105	101	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			117	111	105	117	111	105	
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Internal Access Route (per 200m) - S573 – WC03									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME Total SWL					
Internal Access Route (per 200m) - S574 – WC03									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S575 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME					
Internal Access Route (per 200m) - S576 – WC03									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S577 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S578 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S579 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

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				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S580 – WC03												
Activity	Months	PME	Units									
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
				118	107	102	120	109	104			
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95			
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100			
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90			
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91			
				118	111	106	119	112	106			
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Truck (CNP067) (100%)	1	117	105	100	117	105	100			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
				118	105	101	118	105	101			
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
				117	111	105	117	111	105			
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Internal Access Route (per 200m) - S581 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S582 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S583 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S584 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2025 - Jul 2027	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
Piling--Concreting				119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
Pile Cap--Excavation				115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Pile Cap--Concreting				118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
Superstructure (Cast in-situ)				117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
Superstructure (Segmental Launching)				118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
Surfacing				117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
Maximum SWL				114	110	105	114	110	105
				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S585 – WC14				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Aug 2025 - Jul 2027	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S586 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2027 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S587 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2027 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S588 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2027 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
		114	110	105	114	110	105		
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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				SWL of Single PME Total SWL					
Internal Access Route (per 200m) - S594 – WC03									
Activity	Months	PME	Units						
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S595 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S596 – WC14				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
			119	113	108	120	113	108		
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
					115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
					118	111	104	118	111	104
		Pile Cap--Concreting	Generator (CNP101) (100%)	1	108	90	75	108	90	75
Concrete Lorry Mixer (CNP044) (70%)			1	107	107	102	107	107	102	
Mobile Crane (CNP048) (100%)			1	112	103	98	112	103	98	
Vibratory Poker (CNP170) (100%)			2	113	102	92	116	105	95	
			117	110	104	118	110	104		
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
					118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
					117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S597 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S598 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	111	104	118	111	104	
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		117	110	104	118	110	104		
Superstructure (Cast in-situ)	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
	Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
		118	113	106	119	113	106		
Superstructure (Segmental Launching)	Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		117	108	103	117	108	103		
Surfacing	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
		114	110	105	114	110	105		
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S599 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S600 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
			117	110	104	118	110	104	
Superstructure (Cast in-situ)	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
	Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
			118	113	106	119	113	106	
Superstructure (Segmental Launching)	Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
			117	108	103	117	108	103	
Surfacing	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S601 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	111	104	118	111	104	
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		117	110	104	118	110	104		
Superstructure (Cast in-situ)	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
	Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
		118	113	106	119	113	106		
Superstructure (Segmental Launching)	Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		117	108	103	117	108	103		
Surfacing	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
		114	110	105	114	110	105		
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S602 – WC14				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
			Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90
			Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Lorry (CNP141) (100%)	1	112	105	100	112	105	100
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
			Roller (CNP185) (100%)	1	108	104	99	108	104	99
					114	110	105	114	110	105
Maximum SWL					119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
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External Access Route (per 200m) – S603 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S605 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
				117	110	104	118	110	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S606 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
				117	110	104	118	110	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S607 – WC14				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S608 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S609 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2025 - Nov 2026	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
Piling--Concreting				119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
Pile Cap--Excavation				115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Pile Cap--Concreting				118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
Superstructure (Cast in-situ)				117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
Superstructure (Segmental Launching)				118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
Surfacing				117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
Maximum SWL				114	110	105	114	110	105
				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S610 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2025 - Nov 2026	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S611 – WC14				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2025 - Nov 2026	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S612 – WC14				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Aug 2025 - Nov 2026	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
	Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
			118	113	106	119	113	106	
Superstructure (Segmental Launching)	Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
			117	108	103	117	108	103	
Surfacing	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S613 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	111	104	118	111	104	
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S614 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S615 – WC28				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
			Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90
			Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Lorry (CNP141) (100%)	1	112	105	100	112	105	100
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
			Roller (CNP185) (100%)	1	108	104	99	108	104	99
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S616 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S617 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Dec 2026 - Mac 2028	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S618 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S619 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S620 – WC07				SWL of Single PME					
Activity	Months	PME	Units	Total SWL			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		114	110	105	114	110	105		
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
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External Access Route (per 200m) – S621 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
Piling--Concreting				119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
Pile Cap--Excavation				115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Pile Cap--Concreting				118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
Superstructure (Cast in-situ)				117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
Superstructure (Segmental Launching)				118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
Surfacing				117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
Maximum SWL				114	110	105	114	110	105
				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
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External Access Route (per 200m) – S622 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S623 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S624 – WC07				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S625 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting				119	113	108	120	113	108	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation				115	110	105	115	110	105	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting				118	111	104	118	111	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)				117	110	104	118	110	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)				118	113	106	119	113	106	
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing				117	108	103	117	108	103	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S626 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Piling--Concreting		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Pile Cap--Excavation					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
					115	110	105	115	110	105
Pile Cap--Concreting		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
					118	111	104	118	111	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
Superstructure (Segmental Launching)		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Surfacing		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
				114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S627 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S628 – WC07				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S629 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	111	104	118	111	104	
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S630 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
					117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S631 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
Piling--Concreting					119	109	103	119	110	104
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Pile Cap--Concreting		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Superstructure (Cast in-situ)		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Superstructure (Segmental Launching)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
					117	112	105	119	113	105
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
Surfacing		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
					117	108	103	117	108	103
Maximum SWL		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
				114	110	105	114	110	105	
				119	112	105	119	113	105	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S632 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Piling, Large Bored Pile (CNP166) (100%)		2	100	100	95	103	103	98		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Air compressor (CNP002) (100%)		1	102	102	87	102	102	87		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
Breaker (CNP025) (100%)		1	111	111	106	111	111	106		
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
Piling, Large Bored Pile (CNP166) (100%)		1	100	100	95	100	100	95		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
Breaker, handheld (CNP023) (100%)		1	102	102	92	102	102	92		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Bar Bender, Cutter (CNP021) (100%)		1	90	90	90	90	90	90		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
Concrete Pump (CNP047) (100%)		1	109	109	94	109	109	94		
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Lorry (CNP141) (100%)		1	112	105	100	112	105	100		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Asphalt Paver (CNP004) (100%)		1	109	104	99	109	104	99		
Roller (CNP185) (100%)		1	108	104	99	108	104	99		
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
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External Access Route (per 200m) – S633 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S634 – WC07				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
		Pile Cap--Concreting	Generator (CNP101) (100%)	1	108	90	75	108	90
Concrete Lorry Mixer (CNP044) (70%)			1	107	107	102	107	107	102
Mobile Crane (CNP048) (100%)			1	112	103	98	112	103	98
Vibratory Poker (CNP170) (100%)			2	113	102	92	116	105	95
				117	110	104	118	110	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

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External Access Route (per 200m) – S635 – WC07				SWL of Single PME						Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98			
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92			
			119	109	103	119	110	104				
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95			
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
			115	110	105	115	110	105				
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92			
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
				118	111	104	118	111	104			
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95			
			117	110	104	118	110	104				
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95			
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94			
				117	112	105	119	113	105			
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
			117	108	103	117	108	103				
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
			114	110	105	114	110	105				
Maximum SWL				119	112	105	119	113	105			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S636 – WC07				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S637 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
				119	109	103	119	110	104
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
		Pile Cap--Concreting	Generator (CNP101) (100%)	1	108	90	75	108	90
Concrete Lorry Mixer (CNP044) (70%)			1	107	107	102	107	107	102
Mobile Crane (CNP048) (100%)			1	112	103	98	112	103	98
Vibratory Poker (CNP170) (100%)			2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				117	112	105	119	113	105
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	112	105	119	113	105

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S638 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
					119	109	103	119	110	104
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
			Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90
			Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
					117	112	105	119	113	105
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Lorry (CNP141) (100%)	1	112	105	100	112	105	100
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
			Roller (CNP185) (100%)	1	108	104	99	108	104	99
					114	110	105	114	110	105
Maximum SWL					119	112	105	119	113	105

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S639 – WC07				SWL of Single PME					
				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
				119	113	108	120	113	108
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
				117	110	104	118	110	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S640 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2019 - Aug 2021	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
			119	109	103	119	110	104	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			117	112	105	119	113	105	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	112	105	119	113	105

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Service Reservoir (per about 2 ha) - S648 - WC13									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork	Feb 2021 - Jan 2022	Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	121	110	105
Slopework (Soil Nail)		Rock Drill (CNP181) (penumatic) (100%)	2	128	128	118	131	131	121
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Grout Pump (100%)	2	105	105	100	108	108	103
		Grout Mixer (100%)	2	90	90	75	93	93	78
		Hoist, Petrol (CNP123) (100%)	2	104	104	99	107	107	102
			128	128	118	131	131	121	
Slopework (Retaining Wall) (Cantilever, Cast in-situ)		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Mobile Crane (CNP048) (100%)	2	112	103	98	115	106	101
		Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
			117	112	105	120	115	108	
Service Reservoir Structure		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
			114	109	103	120	113	106	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Truck (CNP067) (100%)	2	117	105	100	120	108	103
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	105	101	121	109	104	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Asphalt Paver (CNP004) (100%)	2	109	104	99	112	107	102
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
			114	110	105	117	113	108	
Blasting		Rock Drill (CNP183) (100%)	2	116	116	111	119	119	114
		Air Compressor (CNP003) (100%)	2	104	104	89	107	107	92
			116	116	111	119	119	114	
Maximum SWL				128	128	118	131	131	121

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Site Formation / GIC (per about 2 ha) - S651 - WC21												
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Site Clearance	Jul 2019 - Jun 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98			
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101			
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
				120	112	106	121	113	107			
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
				118	110	102	118	110	102			
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
				118	107	102	118	107	102			
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112			
		Generator (CNP103) (100%)	3	95	90	75	100	95	80			
				112	112	107	117	117	112			
Slopework (Soil Nail)		Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100			
		Grout Pump (100%)	1	105	105	100	105	105	100			
		Grout Mixer (100%)	1	90	90	75	90	90	75			
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99			
				128	128	118	128	128	118			
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100			
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92			
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90			
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
				118	113	106	118	113	106			
Maximum SWL				128	128	118	128	128	118			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S651 - WC21				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	Aug 2020 - Jan 2021	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S652 - WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Feb 2020	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S653 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains	Vertical band drain installation rig (100%)	3	112	112	107	117	117	112	
	Generator (CNP103) (100%)	3	95	90	75	100	95	80	
			112	112	107	117	117	112	
Slopework (Soil Nail)	Rock Drill (CNP181) (pneumatic) (100%)	1	128	128	118	128	128	118	
	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
	Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100	
	Grout Pump (100%)	1	105	105	100	105	105	100	
	Grout Mixer (100%)	1	90	90	75	90	90	75	
	Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99	
			128	128	118	128	128	118	
Slopework (Retaining Wall)	Generator (CNP103) (100%)	1	95	90	75	95	90	75	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100	
	Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92	
	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94	
	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
			118	113	106	118	113	106	
Maximum SWL				128	128	118	128	128	118

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S654 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	117	117	112	
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S655 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S656 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S657 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	110	102	118	110	102	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	2	112	112	107	115	115	110
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	115	115	110	
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				120	114	107	121	115	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S658 - WC07				SWL of Single PME					
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Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S659 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation (per about 2 ha) - S660 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S661 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Nov 2017 - Apr 2018	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	1	108	106	101	108	106	101
		Bulldozer (CNP030) (100%)	1	115	106	101	115	106	101
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				120	112	106	121	113	107
Earthwork (Cut)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	110	102	118	110	102
Earthwork (Fill)		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				113	113	107	113	113	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	113	107	121	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Site Formation / GIC (per about 2 ha) - S661 - WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
GIC Sub-Structure (per site)	May 2018 - Nov 2018	Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	2	112	105	100	115	108	103
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				121	114	108	124	118	111
GIC Superstructure (per site)		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	2	109	109	104	112	112	107
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
				118	113	106	122	116	109
Maximum SWL				121	114	108	124	118	111

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S662 – WC03												
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
			118	107	102	118	107	102				
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Truck (CNP067) (100%)	1	117	105	100	117	105	100			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
		118	105	101	118	105	101					
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
			111	108	102	111	108	102				
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
	112	107	102	112	107	102						
Maximum SWL				118	108	102	118	108	102			

Note: Only maximum SWL is applied as the worst case scenario.

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Internal Access Route (per 200m) - S663 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S664 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S665 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Internal Access Route (per 200m) - S666 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	111	106	119	112	106	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			118	105	101	118	105	101	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			117	111	105	117	111	105	
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

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				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S667 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

Internal Access Route (per 200m) - S668 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S669 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S670 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S671 – WC28				SWL of Single PME						Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98			
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106			
				119	113	108	120	113	108			
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95			
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
				115	110	105	115	110	105			
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87			
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92			
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
				118	111	104	118	111	104			
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95			
			117	110	104	118	110	104				
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104			
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95			
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94			
				118	113	106	119	113	106			
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97			
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98			
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
				117	108	103	117	108	103			
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
				114	110	105	114	110	105			
Maximum SWL				119	113	108	120	113	108			

Note: Only maximum SWL is applied as the worst case scenario.

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Title : Plant Inventory

External Access Route (per 200m) – S672 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
				117	110	104	118	110	104
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
	Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
	Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
			118	113	106	119	113	106	
Superstructure (Segmental Launching)	Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
			117	108	103	117	108	103	
Surfacing	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
	Generator (CNP101) (100%)	1	108	90	75	108	90	75	
	Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
	Roller (CNP185) (100%)	1	108	104	99	108	104	99	
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S673 – WC28				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Apr 2028 - Jul 2029	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			115	110	105	115	110	105	
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
			118	113	106	119	113	106	
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
			117	108	103	117	108	103	
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S674 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S675 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S676 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
Piling--Concreting				119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
Pile Cap--Excavation				115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Pile Cap--Concreting				118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
Superstructure (Cast in-situ)				117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
Superstructure (Segmental Launching)				118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
Surfacing				117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
Maximum SWL				114	110	105	114	110	105
				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S677 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
			Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90
			Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
			Lorry (CNP141) (100%)	1	112	105	100	112	105	100
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			Generator (CNP101) (100%)	1	108	90	75	108	90	75
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
			Roller (CNP185) (100%)	1	108	104	99	108	104	99
					114	110	105	114	110	105
Maximum SWL					119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S678 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
Piling, Large Bored Pile (CNP166) (100%)		2	100	100	95	103	103	98		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Air compressor (CNP002) (100%)		1	102	102	87	102	102	87		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
Breaker (CNP025) (100%)		1	111	111	106	111	111	106		
					119	113	108	120	113	108
Piling--Concreting			Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
Piling, Large Bored Pile (CNP166) (100%)		1	100	100	95	100	100	95		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Water pump (CNP281) (Electric) (100%)		1	88	88	88	88	88	88		
					115	110	105	115	110	105
Pile Cap--Excavation			Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
Breaker, handheld (CNP023) (100%)		1	102	102	92	102	102	92		
Excavator (CNP081) (100%)		1	112	95	90	112	95	90		
Dump Truck (CNP067) (70%)		1	115	103	98	115	103	98		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
					118	111	104	118	111	104
Pile Cap--Concreting			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Concrete Lorry Mixer (CNP044) (70%)		1	107	107	102	107	107	102		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
					117	110	104	118	110	104
Superstructure (Cast in-situ)			Generator (CNP101) (100%)	1	108	90	75	108	90	75
Bar Bender, Cutter (CNP021) (100%)		1	90	90	90	90	90	90		
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Concrete Lorry Mixer (CNP044) (100%)		1	109	109	104	109	109	104		
Vibratory Poker (CNP170) (100%)		2	113	102	92	116	105	95		
Concrete Pump (CNP047) (100%)		1	109	109	94	109	109	94		
					118	113	106	119	113	106
Superstructure (Segmental Launching)			Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
Mobile Crane (CNP048) (100%)		1	112	103	98	112	103	98		
Lorry (CNP141) (100%)		1	112	105	100	112	105	100		
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
					117	108	103	117	108	103
Surfacing			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
Generator (CNP101) (100%)		1	108	90	75	108	90	75		
Asphalt Paver (CNP004) (100%)		1	109	104	99	109	104	99		
Roller (CNP185) (100%)		1	108	104	99	108	104	99		
					114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S679 – WC07				SWL of Single PME						
Activity	Months	PME	Units	SWL of Single PME			Total SWL			
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated	
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106	
Piling--Concreting					119	113	108	120	113	108
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88	
Pile Cap--Excavation					115	110	105	115	110	105
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87	
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92	
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90	
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
Pile Cap--Concreting					118	111	104	118	111	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
Superstructure (Cast in-situ)					117	110	104	118	110	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104	
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95	
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94	
Superstructure (Segmental Launching)					118	113	106	119	113	106
		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97	
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
Surfacing					117	108	103	117	108	103
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		Generator (CNP101) (100%)	1	108	90	75	108	90	75	
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99	
		Roller (CNP185) (100%)	1	108	104	99	108	104	99	
Maximum SWL				114	110	105	114	110	105	
				119	113	108	120	113	108	

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Junction Improvement - S680 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Sep 2019 - Aug 2021	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
			118	107	102	118	107	102	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			117	104	99	117	104	99	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
			114	110	105	114	110	105	
Maximum SWL				118	110	105	118	110	105

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Junction Improvement - S681 - WC07									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Feb 2021 - Jan 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
				118	107	102	118	107	102
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
			117	104	99	117	104	99	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL					118	110	105	118	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

External Access Route (per 200m) – S682 – WC07				SWL of Single PME					
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piling--Excavation	Sep 2021 - Aug 2023	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	2	100	100	95	103	103	98
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
		Breaker (CNP025) (100%)	1	111	111	106	111	111	106
			119	113	108	120	113	108	
Piling--Concreting		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Piling, Large Bored Pile (CNP166) (100%)	1	100	100	95	100	100	95
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				115	110	105	115	110	105
Pile Cap--Excavation		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Breaker, handheld (CNP023) (100%)	1	102	102	92	102	102	92
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Dump Truck (CNP067) (70%)	1	115	103	98	115	103	98
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	111	104	118	111	104
Pile Cap--Concreting		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
			117	110	104	118	110	104	
Superstructure (Cast in-situ)		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Concrete Lorry Mixer (CNP044) (100%)	1	109	109	104	109	109	104
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Concrete Pump (CNP047) (100%)	1	109	109	94	109	109	94
				118	113	106	119	113	106
Superstructure (Segmental Launching)		Gantry Gribder, mobile (CNP048) (100%)	1	112	102	97	112	102	97
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Lorry (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
				117	108	103	117	108	103
Surfacing		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				114	110	105	114	110	105
Maximum SWL				119	113	108	120	113	108

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S683 – WC06									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S684 – WC06												
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated			
Earthwork (Excavation and Backfill)	Mar 2021 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
				118	107	102	120	109	104			
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90			
		Truck (CNP067) (100%)	1	117	105	100	117	105	100			
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88			
			118	105	101	118	105	101				
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102			
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92			
		Generator (CNP101) (100%)	1	108	90	75	108	90	75			
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
				117	111	105	117	111	105			
Maximum SWL				118	111	105	120	111	105			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S685 – WC13									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Feb 2021 - Jan 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S686 – WC13									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Feb 2021 - Jan 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Stockpiling (per about 2 ha) - S687 - WC33									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Jul 2024	Backhoe (CNP 081) (100%)	4	112	95	90	118	101	96
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	2	108	106	101	111	109	104
		Dump Truck (CNP067) (70%)	4	115	103	98	121	109	104
			118	111	104	123	114	108	
Earthwork (Cut)		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	110	102	120	111	104	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	121	110	105
Vertical drains		Vertical band drain installation rig (100%)	2	112	112	107	115	115	110
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	115	115	110
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
			118	113	106	118	113	106	
Maximum SWL				118	114	107	123	115	110

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Stockpiling (per about 2 ha) - S688 - WC33									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Jul 2024	Backhoe (CNP 081) (100%)	4	112	95	90	118	101	96
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	2	108	106	101	111	109	104
		Dump Truck (CNP067) (70%)	4	115	103	98	121	109	104
			118	111	104	123	114	108	
Earthwork (Cut)		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	110	102	120	111	104	
Earthwork (Fill)		Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
			118	107	102	121	110	105	
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
			112	112	107	117	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Pump (100%)	1	105	105	100	105	105	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
			114	114	107	114	114	107	
Slopework (Retaining Wall)	Generator (CNP103) (100%)	1	95	90	75	95	90	75	
	Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98	
	Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100	
	Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92	
	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90	
	Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90	
	Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94	
	Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102	
		118	113	106	118	113	106		
Maximum SWL				118	114	107	123	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

				SWL of Single PME						Total SWL		
Internal Access Route (per 200m) - S689 – WC03												
Activity	Months	PME	Units									
Earthwork (Excavation and Backfill)	Sep 2020 - Aug 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90			
		Generator (CNP103) (100%)	1	95	90	75	95	90	75			
		Roller (CNP185) (100%)	1	108	104	99	108	104	99			
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101			
					118	107	102	120	109	104		
Box Culvert			Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100		
			Generator (CNP103) (100%)	1	95	90	75	95	90	75		
			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95		
			Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100		
			Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90		
			Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91		
					118	111	106	119	112	106		
Roadwork (Laying Utilities)			Excavator (CNP081) (100%)	1	112	95	90	112	95	90		
			Truck (CNP067) (100%)	1	117	105	100	117	105	100		
			Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88		
					118	105	101	118	105	101		
Roadwork (Paving)			Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102		
			Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92		
			Generator (CNP101) (100%)	1	108	90	75	108	90	75		
			Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99		
			Roller (CNP185) (100%)	1	108	104	99	108	104	99		
					117	111	105	117	111	105		
Maximum SWL				118	111	106	120	112	106			

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Stockpiling (per about 2 ha) - S690 - WC33									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Clearance	Mar 2019 - Jul 2024	Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Saw, circular, wood (CNP201) (100%)	2	108	106	101	111	109	104
		Bulldozer (CNP030) (100%)	2	115	106	101	118	109	104
		Dump Truck (CNP067) (70%)	4	115	103	98	121	109	104
				120	112	106	124	115	109
Earthwork (Cut)		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Breaker, handheld (CNP024) (100%)	1	108	108	98	108	108	98
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	110	102	120	111	104
Earthwork (Fill)		Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	121	110	105
Vertical drains		Vertical band drain installation rig (100%)	3	112	112	107	117	117	112
		Generator (CNP103) (100%)	3	95	90	75	100	95	80
				112	112	107	117	117	112
Slopework (Soil Nail)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Air compressor (CNP002) (100%)	1	102	102	87	102	102	87
		Grout Pump (100%)	1	105	105	100	105	105	100
		Drill Rig, Rotary Type (Diesel) (100%)	1	110	110	100	110	110	100
		Grout Mixer (100%)	1	90	90	75	90	90	75
		Hoist, Petrol (CNP123) (100%)	1	104	104	99	104	104	99
				114	114	107	114	114	107
Slopework (Retaining Wall)		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Mobile Crane (CNP048) (100%)	1	112	103	98	112	103	98
		Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Concrete pump (CNP047) (100%)	1	109	109	94	109	109	94
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
				118	113	106	118	113	106
Maximum SWL				120	114	107	124	117	112

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Service Reservoir (per about 2 ha) - S691 - WC13									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork	Feb 2021 - Jan 2022	Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	121	110	105
Slopework (Soil Nail)		Rock Drill (CNP181) (penumatic) (100%)	1	128	128	118	128	128	118
		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Air compressor (CNP002) (100%)	2	102	102	87	105	105	90
		Grout Pump (100%)	2	105	105	100	108	108	103
		Grout Mixer (100%)	2	90	90	75	93	93	78
		Hoist, Petrol (CNP123) (100%)	2	104	104	99	107	107	102
			128	128	118	128	128	118	
Slopework (Retaining Wall) (Cantilever, Cast in-situ)		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Mobile Crane (CNP048) (100%)	2	112	103	98	115	106	101
		Backhoe (CNP 081) (100%)	2	112	95	90	115	98	93
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Concrete pump (CNP047) (100%)	2	109	109	94	112	112	97
		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
				117	112	105	120	115	108
Service Reservoir Structure		Generator (CNP103) (100%)	2	95	90	75	98	93	78
		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
		Bar Bender, Cutter (CNP021) (100%)	2	90	90	90	93	93	93
		Vibratory Poker (CNP170) (100%)	4	113	102	92	119	108	98
			114	109	103	120	113	106	
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	2	112	95	90	115	98	93
		Truck (CNP067) (100%)	2	117	105	100	120	108	103
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
			118	105	101	121	109	104	
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	2	107	107	102	110	110	105
		Generator (CNP101) (100%)	2	108	90	75	111	93	78
		Asphalt Paver (CNP004) (100%)	2	109	104	99	112	107	102
		Roller (CNP185) (100%)	2	108	104	99	111	107	102
			114	110	105	117	113	108	
Blasting		Rock Drill (CNP183) (100%)	2	116	116	111	119	119	114
		Air Compressor (CNP003) (100%)	2	104	104	89	107	107	92
			116	116	111	119	119	119	114
Maximum SWL				128	128	118	128	128	118

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S1173 – WC32									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S1174 – WC32									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.

Project : Agreement No. CE61/2007(CE) North East New Territories New Development Areas Planning and Engineering Study - Investigation
Title : Plant Inventory

Internal Access Route (per 200m) - S1179 – WC03									
Activity	Months	PME	Units	SWL of Single PME			Total SWL		
				Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Earthwork (Excavation and Backfill)	Mar 2020 - Feb 2022	Backhoe (CNP 081) (100%)	1	112	95	90	112	95	90
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
		Dump Truck (CNP067) (70%)	2	115	103	98	118	106	101
				118	107	102	120	109	104
Box Culvert		Lorry With Grab (CNP141) (100%)	1	112	105	100	112	105	100
		Generator (CNP103) (100%)	1	95	90	75	95	90	75
		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Vibratory Poker (CNP170) (100%)	2	113	102	92	116	105	95
		Compactor, Vibratory (CNP050) (100%)	1	105	105	100	105	105	100
		Bar Bender, Cutter (CNP021) (100%)	1	90	90	90	90	90	90
		Water pump (CNP281) (Electric) (100%)	2	88	88	88	91	91	91
				118	111	106	119	112	106
Roadwork (Laying Utilities)		Excavator (CNP081) (100%)	1	112	95	90	112	95	90
		Truck (CNP067) (100%)	1	117	105	100	117	105	100
		Water pump (CNP281) (Electric) (100%)	1	88	88	88	88	88	88
				118	105	101	118	105	101
Roadwork (Paving)		Concrete Lorry Mixer (CNP044) (70%)	1	107	107	102	107	107	102
		Vibratory Poker (CNP170) (100%)	1	113	102	92	113	102	92
		Generator (CNP101) (100%)	1	108	90	75	108	90	75
		Asphalt Paver (CNP004) (100%)	1	109	104	99	109	104	99
		Roller (CNP185) (100%)	1	108	104	99	108	104	99
				117	111	105	117	111	105
Maximum SWL				118	111	106	120	112	106

Note: Only maximum SWL is applied as the worst case scenario.