

Annex 5A

# Construction Plant Inventory

## Annex 5A - Preliminary Construction Plant Inventory

### LAND BASED WORKS

Activity	Plant Required	No. of PME	CNP / BS5228 Ref.	SWL	Overall SWL
<u>Site Clearance</u>	Truck	1	CNP 067	117	117
	Mobile Crane	4	CNP 048	112	118
				<i>Sub-total SWL =</i>	<b>121</b>

### Installation of Submarine Gas Pipeline

Activity	Plant Required	No. of PME	CNP / BS5228 Ref.	SWL	Overall SWL
<u>Dredging - Grab</u>	Dredger - Grab	2	CNP 063	112	115
	Tug Boat / Motor Boat	2	CNP 221	110	113
	Split Bottom Barge	2	CNP 061	104	107
				<i>Sub-total SWL =</i>	<b>118</b>
<u>Pipeline Installation</u>	Lay Barge	1	CNP 061	104	104
					<i>Sub-total SWL =</i>
<u>Post Trenching Jetting</u>	Jetting Machine	1	CNP 061	104	104
					<i>Sub-total SWL =</i>
<u>Placing Pipeline Rock Armour</u>	Derrick Lighter	1	CNP 061	104	104
	Backactor	1	CNP 027	122	122
				<i>Sub-total SWL =</i>	<b>122</b>

### Reclamation of Gas Receiving Station

Activity	Plant Required	No. of PME	CNP / BS5228 Ref.	SWL	Overall SWL	
<u>Primary Armour Removal</u>	Derrick Lighter	1	CNP 061	104	104	
					<i>Sub-total SWL =</i>	<b>104</b>
<u>Dredging</u>	Dredger - Grab	2	CNP 063	112	115	
	Tug Boat / Motor Boat	2	CNP 221	110	113	
	Split Bottom Barge	2	CNP 066	106	109	
				<i>Sub-total SWL =</i>	<b>118</b>	
<u>Seawall Construction</u>	Placing Rock Fill	Tug Boat / Motor Boat	3	CNP 221	110	115
		Split Bottom Barge	3	CNP 066	106	111
				<i>Sub-total SWL =</i>	<b>116</b>	
Placing Seawall Pre-cast Block	Derrick Lighter		1	CNP 061	104	104
						<i>Sub-total SWL =</i>
<u>Filling</u>	Filling below +2.5mPD (sand)	Sand Barge + Generator	4	CNP 061	104	110
	Filling above +2.5mPD (public fill)	Tug Boat / Motor Boat	3	CNP 221	110	115
		Split Bottom Barge	3	CNP 066	106	111
		Derrick Lighter	1	CNP 061	104	104
		Bulldozer / Excavator	2	CNP030	115	118
		Truck	2	CNP 067	117	120
				<i>Sub-total SWL =</i>	<b>123</b>	
<u>Drainage Works</u>	Install of Temporary Work	Backactor mounted with Vibrator	2	CNP 027	122	125
		Grinding Machine	2	CNP 065	98	101
				<i>Sub-total SWL =</i>	<b>125</b>	
Laying of Drainage Pipes	Backactor		2	CNP 081	112	115
		Truck	1	CNP 067	117	117
				<i>Sub-total SWL =</i>	<b>119</b>	
Backfilling	Pneumatic Roller		1	CNP 185	108	108
		Backactor	2	CNP 081	112	115
				<i>Sub-total SWL =</i>	<b>116</b>	

(1) SWL refer to the document prepared by the Noise Control Authority ([http://www.epd.gov.hk/epd/english/application\\_for\\_licences/guid](http://www.epd.gov.hk/epd/english/application_for_licences/guid))

(2) SWL refer to the approved EIA Report for the Construction of an International Theme Park in Penny's Bay of North Lantau and its Essential

(3) SWL refer to the BS 5228 : Part 1: 1997