

APPENDIX 6D

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**Construction Plant  
Inventory**

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package I (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S1									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	May 2011 - June 2011	Compressor	2	104	103	93	107	106	96
		Excavator	1	110	104	104	110	104	104
		Generator	1	100	100	90	100	100	90
		Bulldozer	2	115	115	115	118	118	118
		Lorry	2	110	100	100	113	103	103
		Scraper	1	119	119	119	119	119	119
		Loader	1	110	104	104	110	104	104
		Motor Grader	1	113	113	113	113	113	113
						<b>122</b>	<b>121</b>	<b>121</b>	<b>123</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package I (Portion I-a)				SWL of Single PME			Total SWL		
Worksite S2									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - March 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	July 2011 - March 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				<b>113</b>	<b>113</b>	<b>107</b>	<b>115</b>	<b>114</b>	<b>109</b>
Pier Construction	July 2011 - March 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete truck	2	109	109	104	112	112	107
		Vibrator	4	113	100	100	119	106	106
				<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>	<b>116</b>	<b>112</b>
Construction of Bridge Deck	April 2012 - July 2012	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>	<b>116</b>	<b>116</b>
Erection of Bridge Deck Travellers / Lunching Gantries	Jan 2012 - March 2012	Crane	1	107	97	97	107	97	97
		winch	1	110	110	110	110	110	110
				<b>112</b>	<b>110</b>	<b>110</b>	<b>112</b>	<b>110</b>	<b>110</b>
Bridge Roadworks and installation services	Sept 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		roller	2	105	98	98	108	101	101
		Concrete truck	6	109	109	104	117	117	112
		vibrator	12	113	100	100	124	111	111
		Asphalt paver	2	106	98	98	109	101	101
Generator	12	100	100	90	111	111	101		
				<b>117</b>	<b>111</b>	<b>108</b>	<b>126</b>	<b>119</b>	<b>115</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	mobile crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				<b>113</b>	<b>112</b>	<b>112</b>	<b>116</b>	<b>115</b>	<b>115</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKLR - Contract Package I (Portion I-b)				SWL of Single PME			Total SWL		
Worksite S3									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	April 2012 - Dec 2012	Piling, Large Diameter Bored, rcd Crane Barge	1	100	100	100	100	100	100
			1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	April 2012 - Dec 2012	Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	4	109	109	104	115	115	110
		Water pump	4	103	103	93	109	109	99
		Generator	2	100	100	90	103	103	93
		Compressor	2	104	103	93	107	106	96
						<b>113</b>	<b>113</b>	<b>107</b>	<b>118</b>
Pier Construction	April 2012 - Dec 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
						<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>
Construction of Bridge Deck	Aug 2012 - Nov 2012	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
						<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

Heading : Plant Inventory

HKLR - Contract Package I (Portion I-c)				SWL of Single PME			Total SWL		
Worksite S4									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - June 2013	Piling, Large Diameter Bored, rcd	4	100	100	100	106	106	106
		Crane Barge	4	102	102	102	108	108	108
				<b>104</b>	<b>104</b>	<b>104</b>	<b>110</b>	<b>110</b>	<b>110</b>
Pilecaps Construction	July 2011 - June 2013	Concrete Pump	8	109	107	102	118	116	111
		Concrete Mixer Truck	16	109	109	104	121	121	116
		Water pump	8	103	103	93	112	112	102
		Generator	8	100	100	90	109	109	99
		Compressor	8	104	103	93	113	112	102
				<b>113</b>	<b>113</b>	<b>107</b>	<b>124</b>	<b>123</b>	<b>118</b>
Pier Construction	July 2011 - June 2013	Crane Barge	8	102	102	102	111	111	111
		Compressor	8	104	103	93	113	112	102
		Generator	8	100	100	90	109	109	99
		Concrete Pump	8	109	107	102	118	116	111
		Concrete Mixer Truck	8	109	109	104	118	118	113
		Vibratory Poker	24	113	100	100	127	114	114
				<b>116</b>	<b>113</b>	<b>109</b>	<b>128</b>	<b>122</b>	<b>119</b>
Construction of Bridge Deck	April 2012 - Feb 2014	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>	<b>116</b>	<b>116</b>
Erection of Bridge Deck Travellers / Lunching Gantries	Jan 2012 - March 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				<b>112</b>	<b>110</b>	<b>110</b>	<b>112</b>	<b>110</b>	<b>110</b>
Bridge Roadworks and installation services	Sept 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
Generator	12	100	100	90	111	111	101		
				<b>117</b>	<b>111</b>	<b>108</b>	<b>126</b>	<b>119</b>	<b>115</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				<b>113</b>	<b>112</b>	<b>112</b>	<b>116</b>	<b>115</b>	<b>115</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package II (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S5									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	May 2011 - June 2011	Compressor	2	104	103	93	107	106	96
		Excavator	1	110	104	104	110	104	104
		Generator	1	100	100	90	100	100	90
		Bulldozer	2	115	115	115	118	118	118
		Lorry	2	110	100	100	113	103	103
		Scraper	1	119	119	119	119	119	119
		Loader	1	110	104	104	110	104	104
		Motor Grader	1	113	113	113	113	113	113
				<b>122</b>	<b>121</b>	<b>121</b>	<b>123</b>	<b>122</b>	<b>122</b>

**Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation**

**Heading : Plant Inventory**

HKLR - Contract Package II (Portion II-a)				SWL of Single PME			Total SWL		
Worksite S6									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - Nov 2011	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	July 2011 - Nov 2011	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				<b>113</b>	<b>113</b>	<b>107</b>	<b>115</b>	<b>114</b>	<b>109</b>
Pier Construction	July 2011 - Nov 2011	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>	<b>116</b>	<b>112</b>
Construction of Bridge Deck	Dec 2011 - Feb 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>	<b>116</b>	<b>116</b>
Erection of Bridge Deck Travellers / Lunching Gantries	Feb 2012 - Apr 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				<b>112</b>	<b>110</b>	<b>110</b>	<b>112</b>	<b>110</b>	<b>110</b>
Bridge Roadworks and installation services	June 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				<b>117</b>	<b>111</b>	<b>108</b>	<b>126</b>	<b>119</b>	<b>115</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				<b>113</b>	<b>112</b>	<b>112</b>	<b>116</b>	<b>115</b>	<b>115</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKLR - Contract Package II (Portion II-b)				SWL of Single PME			Total SWL		
Worksite S7									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Oct 2011 - Feb 2012	Piling, Large Diameter Bored, rcd Crane Barge	1	100	100	100	100	100	100
			1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	Oct 2011 - Feb 2012	Concrete Pump Concrete Mixer Truck Water pump Generator Compressor	1	109	107	102	109	107	102
			2	109	109	104	112	112	107
			2	103	103	93	106	106	96
			1	100	100	90	100	100	90
			1	104	103	93	104	103	93
				<b>113</b>	<b>113</b>	<b>107</b>	<b>115</b>	<b>114</b>	<b>109</b>
Pier Construction	Oct 2011 - Feb 2012	Crane Barge Compressor Generator Concrete Pump Concrete Mixer Truck Vibratory Poker	1	102	102	102	102	102	102
			2	104	103	93	107	106	96
			2	100	100	90	103	103	93
			2	109	107	102	112	110	105
			2	109	109	104	112	112	107
			4	113	100	100	119	106	106
				<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>	<b>116</b>	<b>112</b>
Construction of Bridge Deck	March 2012 - May 2013	Deck Traveller Barge Tug boat Generator Track-mounted Crane Compressor Truck	3	107	107	107	112	112	112
			3	102	102	102	107	107	107
			3	103	103	103	108	108	108
			3	100	100	90	105	105	95
			3	107	97	97	112	102	102
			3	104	103	93	109	108	98
			3	117	104	104	122	109	109
							<b>118</b>	<b>112</b>	<b>111</b>



**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package II (Portion II-c)				SWL of Single PME			Total SWL		
Worksite S8									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Jan 2012 - May 2012	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	Jan 2012 - May 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				<b>113</b>	<b>113</b>	<b>107</b>	<b>115</b>	<b>114</b>	<b>109</b>
Pier Construction	Jan 2012 - May 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
						<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>
Construction of Bridge Deck	June 2012 - Aug 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
						<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKLR - Contract Package II (Portion II-d)				SWL of Single PME			Total SWL		
Worksite S9									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	Apr 2012 - Aug 2012	Piling, Large Diameter Bored, rcd Crane Barge	1	100	100	100	100	100	100
			1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	Apr 2012 - Aug 2012	Concrete Pump	1	109	107	102	109	107	102
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Water pump	2	103	103	93	106	106	96
		Generator	1	100	100	90	100	100	90
		Compressor	1	104	103	93	104	103	93
				<b>113</b>	<b>113</b>	<b>107</b>	<b>115</b>	<b>114</b>	<b>109</b>
Pier Construction	Apr 2012 - Aug 2012	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>	<b>116</b>	<b>112</b>
Construction of Bridge Deck	Sept 2012 - Nov 2013	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>	<b>116</b>	<b>116</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package II (Portion II-e)				SWL of Single PME			Total SWL		
Worksite S10									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Piles Construction	July 2011 - Dec 2013	Piling, Large Diameter Bored, rcd	1	100	100	100	100	100	100
		Crane Barge	1	102	102	102	102	102	102
				<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
Pilecaps Construction	July 2011 - Dec 2013	Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	4	109	109	104	115	115	110
		Water pump	4	103	103	93	109	109	99
		Generator	2	100	100	90	103	103	93
		Compressor	2	104	103	93	107	106	96
				<b>113</b>	<b>113</b>	<b>107</b>	<b>118</b>	<b>117</b>	<b>112</b>
Pier Construction	July 2011 - Dec 2013	Crane Barge	1	102	102	102	102	102	102
		Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Concrete Pump	2	109	107	102	112	110	105
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	4	113	100	100	119	106	106
				<b>116</b>	<b>113</b>	<b>109</b>	<b>121</b>	<b>116</b>	<b>112</b>
Construction of Bridge Deck	Jan 2012 - Feb 2014	Deck Traveller	3	107	107	107	112	112	112
		Barge	3	102	102	102	107	107	107
		Tug boat	3	103	103	103	108	108	108
		Generator	3	100	100	90	105	105	95
		Track-mounted Crane	3	107	97	97	112	102	102
		Compressor	3	104	103	93	109	108	98
		Truck	3	117	104	104	122	109	109
				<b>118</b>	<b>112</b>	<b>111</b>	<b>123</b>	<b>116</b>	<b>116</b>
Erection of Bridge Deck Travellers / Lunching Gantries	Feb 2012 - Apr 2012	Crane	1	107	97	97	107	97	97
		Winch	1	110	110	110	110	110	110
				<b>112</b>	<b>110</b>	<b>110</b>	<b>112</b>	<b>110</b>	<b>110</b>
Bridge Roadworks and installation services	June 2012 - July 2014	Lorry	4	110	100	100	116	106	106
		Roller	2	105	98	98	108	101	101
		Concrete Mixer Truck	6	109	109	104	117	117	112
		Vibratory Poker	12	113	100	100	124	111	111
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	12	100	100	90	111	111	101
				<b>117</b>	<b>111</b>	<b>108</b>	<b>126</b>	<b>119</b>	<b>115</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Crane Truck	2	112	112	112	115	115	115
				<b>113</b>	<b>112</b>	<b>112</b>	<b>116</b>	<b>115</b>	<b>115</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
 Heading : Plant Inventory

HKLR - Contract Package III (Site Preparation & Mobilization)				SWL of Single PME			Total SWL		
Worksite S11									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Site Preparation & Mobilization	Jan 2011 - March 2011	Excavator	3	110	104	104	115	109	109
		Mower	2	115	115	115	118	118	118
		Lorry	3	110	100	100	115	105	105
		Crane Truck	2	112	112	112	115	115	115
					<b>118</b>	<b>117</b>	<b>117</b>	<b>122</b>	<b>120</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package III (Tunnel Construction at Scenic Hill)				SWL of Single PME			Total SWL		
Worksite S12									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Preparatory Works	Apr 2011 - July 2011	Bulldozer	2	115	115	115	118	118	118
		Excavator	1	110	104	104	110	104	104
		Dump Truck	5	117	104	104	124	111	111
		Water Pump	1	103	103	93	103	103	93
				<b>120</b>	<b>116</b>	<b>116</b>	<b>125</b>	<b>119</b>	<b>119</b>
Tunnel Excavation & Internal Structure Consin	Aug 2011 - Dec 2013	Hydraulic breaker	4	121	109	109	127	115	115
		Compressor	4	104	103	93	110	109	99
		Concrete Truck	4	109	109	104	115	115	110
		Excavator	2	110	104	104	113	107	107
		Mobile Crane	2	107	97	97	110	100	100
		Lorry	2	110	100	100	113	103	103
				<b>122</b>	<b>113</b>	<b>112</b>	<b>128</b>	<b>119</b>	<b>117</b>
Portal & Ventilation Building at Scenic Hill	Jan 2013 - Sept 2014	Compressor	2	104	103	93	107	106	96
		Concrete Truck	2	109	109	104	112	112	107
		Backhoe	2	110	104	104	113	107	107
		Mobile Crane	2	107	97	97	110	100	100
		Generator	2	100	100	90	103	103	93
		Vibratory Poker	5	113	100	100	120	107	107
				<b>117</b>	<b>112</b>	<b>108</b>	<b>122</b>	<b>115</b>	<b>112</b>
Roadworks, TCSS & E&M works inside whole Tunnel	Jan 2013 - Sept 2014	Generator	1	100	100	90	100	100	90
		Crane Truck	2	112	112	112	115	115	115
		Lorry	1	110	100	100	110	100	100
		Roller	1	105	98	98	105	98	98
		Concrete Mixer Truck	1	109	109	104	109	109	104
		Vibratory Poker	1	113	100	100	113	100	100
		Asphalt Paver	1	106	98	98	106	98	98
		Generator	1	100	100	90	100	100	90
				<b>118</b>	<b>115</b>	<b>113</b>	<b>119</b>	<b>117</b>	<b>116</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKLR - Contract Package III (Tunnel Construction at Airport Road)				SWL of Single PME			Total SWL		
Worksite S13									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Sheet Piling Installation	Apr 2011 - Sept 2011	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
Earthwork Excavation	Aug 2011 - Jan 2012	Backactor	2	94	94	94	97	97	97
		Hydraulic breaker	2	110	104	104	113	107	107
		Truck	2	121	109	109	124	112	112
		Hand-held breaker	2	117	104	104	120	107	107
Tunnel Box Construction	Dec 2011 - Feb 2013		4	113	113	113	119	119	119
		Concrete Truck	2	123	115	115	127	120	120
		Vibratory Poker	2	109	109	104	112	112	107
		Compressor	2	113	100	100	116	103	103
		mobile crane	2	104	103	93	107	106	96
Backfilling	March 2013 - July 2013	bar bending machine	1	107	97	97	107	97	97
		Truck	2	90	90	90	93	93	93
		Compactor	2	115	111	106	118	114	109
Pavement Reinstatement of Airport Road	Aug 2013 - Oct 2013		2	117	104	104	120	107	107
			2	105	105	105	108	108	108
		Lorry	1	117	108	108	120	111	111
		Compressor	1	110	100	100	110	100	100
		Concrete Mixer Truck	1	104	103	93	104	103	93
		Vibratory Poker	1	109	109	104	109	109	104
		Asphalt Paver	2	113	100	100	116	103	103
Generator	1	106	98	98	106	98	98		
Roller	1	100	100	90	100	100	90		
			1	105	98	98	105	98	98
				117	112	108	118	112	109

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Contract Package III (Tunnel Construction under Airport Express Line)				SWL of Single PME			Total SWL		
Worksite S14				SWL of Single PME			Total SWL		
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Construction of Shaft for Horizontal pipe piles eqpt	Apr 2011 - Sept 2011	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
		Backactor	1	110	104	104	110	104	104
		Hydraulic Breaker	1	121	109	109	121	109	109
		Truck	1	117	104	104	117	104	104
		Hand-held Breaker	2	113	113	113	116	116	116
				<b>123</b>	<b>115</b>	<b>115</b>	<b>124</b>	<b>117</b>	<b>117</b>
Horizontal pipe-pile jacking	Oct 2011 - Sept 2012	Compressor	2	104	103	93	107	106	96
		Generator	2	100	100	90	103	103	93
		Horizontal Jack	2	112	112	112	115	115	115
		Excavator	4	110	104	104	116	110	110
				<b>115</b>	<b>113</b>	<b>113</b>	<b>119</b>	<b>117</b>	<b>116</b>
Tunnel Excavation	Apr 2012 - March 2013	Backactor	3	110	104	104	115	109	109
		Hydraulic Breaker	3	121	109	109	126	114	114
		Truck	3	117	104	104	122	109	109
		Hand-held Breaker	3	113	113	113	118	118	118
				<b>123</b>	<b>115</b>	<b>115</b>	<b>128</b>	<b>120</b>	<b>120</b>
Tunnel Box Construction	Oct 2012 - Dec 2013	Concrete Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Compressor	2	104	103	93	107	106	96
		Mobile crane	1	107	97	97	107	97	97
		Bar bending Machine	1	90	90	90	90	90	90
				<b>115</b>	<b>111</b>	<b>106</b>	<b>118</b>	<b>114</b>	<b>109</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKL R - Contract Package III (Tunnel Construction on Reclamation)				SWL of Single PME			Total SWL		
Worksite S15									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Sheet Piling Installation	Nov 2012 - Jan 2013	Hydraulic Vibratory Driver	2	94	94	94	97	97	97
Earthwork Excavation	Feb 2013 - July 2013	Backactor	2	110	104	104	113	107	107
		Hydraulic Breaker	2	121	109	109	124	112	112
		Truck	2	117	104	104	120	107	107
		Hand-held Breaker	2	113	113	113	116	116	116
		Vibrator	2	113	100	100	116	103	103
Tunnel Box Construction	Aug 2013 - Apr 2014	Concrete Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Compressor	2	104	103	93	107	106	96
		Mobile Crane	1	107	97	97	107	97	97
		Bar Bending Machine	1	90	90	90	90	90	90
Backfilling	Feb 2014 - July 2014	Dump Truck	2	115	111	106	118	114	109
		Compactor	2	117	104	104	120	107	107
Roadworks, TCSS & E&M Works inside whole Tunnel	Jan 2013 - Sept 2014	Generator	1	105	105	105	108	108	108
		Crane Truck	1	117	108	108	120	111	111
		Lorry	1	100	100	90	100	100	90
		Roller	1	112	112	112	112	112	112
		Concrete Mixer Truck	1	110	100	100	110	100	100
		Vibratory Poker	1	105	98	98	105	98	98
		Asphalt paver	1	109	109	104	109	109	104
		Generator	1	113	100	100	113	100	100
		Generator	1	106	98	98	106	98	98
		Generator	1	100	100	90	100	100	90
				<b>118</b>	<b>115</b>	<b>113</b>	<b>118</b>	<b>115</b>	<b>113</b>



**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation

**Heading :** Plant Inventory

HKLR - Reclamation for Portion I				SWL of Single PME			Total SWL		
Worksite S16									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	Feb 2011 - June 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				<b>113</b>	<b>113</b>	<b>113</b>	<b>117</b>	<b>117</b>	<b>117</b>
Placing Seawall Core	July 2011 - March 2012	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Placing sea armour rock	Oct 2011 - Apr 2012	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Filling & Surcharging	Feb 2012 - March 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				<b>106</b>	<b>106</b>	<b>106</b>	<b>117</b>	<b>117</b>	<b>117</b>
Remove Subcharge	Apr 2013 - June 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				<b>118</b>	<b>107</b>	<b>107</b>	<b>128</b>	<b>116</b>	<b>116</b>
Construction of at-Grade Road	July 2013 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				<b>118</b>	<b>112</b>	<b>110</b>	<b>121</b>	<b>115</b>	<b>113</b>
Landscaping Works	Jan 2014 - Sept 2014	Excavator	1	110	104	104	110	104	104
		Compactor	1	105	105	105	105	105	105
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				<b>115</b>	<b>114</b>	<b>113</b>	<b>115</b>	<b>114</b>	<b>113</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	1	107	97	97	107	97	97
		Generator	1	100	100	90	100	100	90
		Crane Truck	2	112	112	112	115	115	115
		<b>113</b>	<b>112</b>	<b>112</b>	<b>116</b>	<b>115</b>	<b>115</b>		

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKLR - Reclamation for Portion II				SWL of Single PME			Total SWL		
Worksite S17									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	March 2012 - Sept 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				<b>113</b>	<b>113</b>	<b>113</b>	<b>117</b>	<b>117</b>	<b>117</b>
Placing Seawall Core	Aug 2012 - Apr 2013	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Placing sea armour rock	Nov 2012 - May 2013	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Filling & Surcharging	March 2013 - Oct 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				<b>106</b>	<b>106</b>	<b>106</b>	<b>117</b>	<b>117</b>	<b>117</b>
Remove Subcharge	Nov 2013 - Dec 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				<b>118</b>	<b>107</b>	<b>107</b>	<b>128</b>	<b>116</b>	<b>116</b>
Construction of at Grade Road	Jan 2014 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				<b>118</b>	<b>112</b>	<b>110</b>	<b>121</b>	<b>115</b>	<b>113</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Reclamation for Portion III				SWL of Single PME			Total SWL		
Worksite S18									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Dredging seawall	March 2012 - Sept 2012	Grab dredger	3	112	112	112	117	117	117
		Tug boat	3	103	103	103	108	108	108
				<b>113</b>	<b>113</b>	<b>113</b>	<b>117</b>	<b>117</b>	<b>117</b>
Placing Seawall Core	Aug 2012 - Apr 2013	Tug boat	3	103	103	103	108	108	108
		Derrick Lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Placing sea armour rock	Nov 2012 - May 2013	Tug boat	3	103	103	103	108	108	108
		Derrick lighter	3	102	102	102	107	107	107
				<b>106</b>	<b>106</b>	<b>106</b>	<b>111</b>	<b>111</b>	<b>111</b>
Filling & Surcharging	March 2013 - Oct 2013	Tug Boat	14	103	103	103	114	114	114
		Derrick Lighter	14	102	102	102	114	114	114
				<b>106</b>	<b>106</b>	<b>106</b>	<b>117</b>	<b>117</b>	<b>117</b>
Remove Subcharge	Nov 2013 - Dec 2013	Excavator	6	110	104	104	118	112	112
		Truck	10	117	104	104	127	114	114
				<b>118</b>	<b>107</b>	<b>107</b>	<b>128</b>	<b>116</b>	<b>116</b>
Construction of at Grade Road	Jan 2014 - Sept 2014	Excavator	2	110	104	104	113	107	107
		Lorry	2	110	100	100	113	103	103
		Compressor	2	104	103	93	107	106	96
		Concrete Mixer Truck	2	109	109	104	112	112	107
		Vibratory Poker	2	113	100	100	116	103	103
		Asphalt Paver	2	106	98	98	109	101	101
		Generator	2	100	100	90	103	103	93
		Roller	2	105	98	98	108	101	101
				<b>118</b>	<b>112</b>	<b>110</b>	<b>121</b>	<b>115</b>	<b>113</b>
Landscaping Works	Jan 2014 - Sept 2014	Excavator	1	110	104	104	110	104	104
		Compactor	1	105	105	105	105	105	105
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				<b>115</b>	<b>114</b>	<b>113</b>	<b>115</b>	<b>114</b>	<b>113</b>
TCSS: Installation and Testing	Oct 2013 - Sept 2014	Mobile Crane	1	107	97	97	107	97	97
		Generator	1	100	100	90	100	100	90
		Crane Truck	1	112	112	112	112	112	112
				<b>113</b>	<b>112</b>	<b>112</b>	<b>113</b>	<b>112</b>	<b>112</b>

**Job Title :** 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
**Heading :** Plant Inventory

HKLR - Works Area WA1				SWL of Single PME			Total SWL		
Worksite S19									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Barging Point for Construction	Aug 2010 - Dec 2015	Barge	1	102	102	102	102	102	102
				<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>	<b>102</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKBCF - Phase 1				SWL of Single PME			Total SWL				
Worksite S20				SWL of Single PME			Total SWL				
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated		
Site Preparation & Mobilization	Aug 2010 - Sept 2010	Grab Dredger	7	112	112	112	120	120	120		
		Tug Boat	4	103	103	103	109	109	109		
		Hopper Barge	7	102	102	102	111	111	111		
		Derrick Lighter	1	102	102	102	102	102	102		
					113	113	113	121	121	121	
Reclamation Works	Sept 2010 - Dec 2013	Grab Dredger	17	112	112	112	124	124	124		
		Tug Boat	56	103	103	103	120	120	120		
		Derrick Lighter	18	102	102	102	115	115	115		
		Pelican Barge	88	102	102	102	122	122	122		
		Derrick Lighter	12	102	102	102	113	113	113		
		Crane	15	107	97	97	119	109	109		
		Bulldozer	15	115	115	115	127	127	127		
		Excavator	34	110	104	104	126	120	120		
		Compressor	20	104	103	93	117	116	106		
		Truck	20	117	104	104	130	117	117		
					121	118	118	134	131	131	
Building & Roads on HKBCF	May 2011 - Sept 2014	Truck	40	117	104	104	133	120	120		
		Backhoe	25	110	104	104	124	118	118		
		Compressor	35	104	103	93	119	118	108		
		Hand-held Breaker	25	113	113	113	127	127	127		
		Concrete Mixer Truck	15	109	109	104	121	121	116		
		Concrete Pump	30	109	107	102	124	122	117		
		Vibrator	63	113	100	100	131	118	118		
		Crawler Crane	20	102	102	102	115	115	115		
		Generator	26	100	100	90	114	114	104		
		Launching Girder	3	107	107	107	112	112	112		
		Piling, Large Diameter Bored, rod	6	100	100	100	108	108	108		
		Lorry	20	110	100	100	123	113	113		
		Bar Bending Machine	20	90	90	90	103	103	103		
		Motor grader	4	113	113	113	119	119	119		
		Asphalt Paver	4	106	98	98	112	104	104		
		Roller	6	105	98	98	113	106	106		
					122	119	118	137	131	130	
		APM Construction	Sept 2010 - Sept 2014	Generator	2	100	100	90	103	103	93
				Compressor	2	104	103	93	107	106	96
				Excavator	2	110	104	104	113	107	107
Truck	4			117	104	104	123	110	110		
Mobile Crane	3			107	97	97	112	102	102		
Water Pump	4			103	103	93	109	109	99		
Hydraulic Vibratory Driver	2			94	94	94	97	97	97		
Concrete Mixer Truck	5			108	109	104	116	116	111		
Concrete Truck	4			109	109	104	115	115	110		
Lorry	5			110	100	100	117	107	107		
Vibrator	8			113	100	100	122	109	109		
Compactor	4			105	105	105	111	111	111		
Roller	2			105	98	98	108	101	101		
Asphalt Paver	2			106	98	98	109	101	101		
Hand-held Breaker	4			113	113	113	119	119	119		
Breaker (Pneumatic)	4			121	121	116	127	127	122		
Grab Dredger	2			112	112	112	115	115	115		
Tug Boat	5			103	103	103	110	110	110		
Hopper Barge	2			102	102	102	105	105	105		
Mobile Crane	2			107	97	97	110	100	100		
Pelican Barge	11	102	102	102	113	113	113				
			125	123	120	131	129	126			

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKBCF - Roadlink with Airport				SWL of Single PME			Total SWL		
Worksite S21									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Roadlink with Airport	Jan 2012 - Sept 2014	Dump Truck	4	117	104	104	123	110	110
		Backactor	8	110	104	104	119	113	113
		Compressor	6	104	103	93	112	111	101
		Hand-held Breaker	8	113	113	113	122	122	122
		Concrete Mixer Truck	8	109	109	104	118	118	113
		Concrete Pump	6	109	107	102	117	115	110
		Vibrator	5	113	100	100	120	107	107
		backactor	5	110	104	104	117	111	111
		Crawler Crane	6	102	102	102	110	110	110
		Generator	6	100	100	90	108	108	98
		Launching Girder	1	107	107	107	107	107	107
		Motor Grader	3	113	113	113	118	118	118
		Asphalt Paver	3	106	98	98	111	103	103
		Roller	3	105	98	98	110	103	103
		Lorry	4	110	100	100	116	106	106
		Piling, Large Diameter Bored, rcd	4	100	100	100	106	106	106
				<b>122</b>	<b>119</b>	<b>118</b>	<b>129</b>	<b>126</b>	<b>125</b>

Job Title : 25308-50 Kong-Zuhai-Macao-Bridge Hong Kong Boundary Crossing Facilities - Investigation  
Heading : Plant Inventory

HKBCF - Phase 2				SWL of Single PME			Total SWL		
Worksite S22									
Activity	Months	PME	Units	Unmitigated	Quiet Plant	Mitigated	Unmitigated	Quiet Plant	Mitigated
Reclamation Works	Aug 2011 - Oct 2014	Grab dredger	4	112	112	112	118	118	118
		Tug boat	3	103	103	103	108	108	108
		Hopper Barge	4	102	102	102	108	108	108
		SCP Barge	1	102	102	102	102	102	102
		Pelican Barge	44	102	102	102	119	119	119
		Tug boat	22	103	103	103	116	116	116
		Derrick Lighter	8	102	102	102	111	111	111
		SCP Barge	1	102	102	102	102	102	102
		Crane	15	107	97	97	119	109	109
		bulldozer	15	115	115	115	127	127	127
		Excavator	24	110	104	104	124	118	118
		Truck	10	117	104	104	127	114	114
		Compressor	20	104	103	93	117	116	106
						<b>121</b>	<b>118</b>	<b>118</b>	<b>132</b>
Buildings & Roads on HKBCF	May 2014 - June 2016	Compressor	11	104	103	93	114	113	103
		Concrete Mixer Truck	7	109	109	104	117	117	112
		Concrete Pump	7	109	107	102	117	115	110
		Vibrator	20	113	100	100	126	113	113
		Backactor	8	110	104	104	119	113	113
		Crawler Crane	9	102	102	102	112	112	112
		Generator	8	100	100	90	109	109	99
		Bar Bending Machine	8	90	90	90	99	99	99
		Piling, Large Diameter Bored, rcd	2	100	100	100	103	103	103
		Lorry	10	110	100	100	120	110	110
		Dump Truck	18	117	104	104	130	117	117
		Motor Grader	3	113	113	113	118	118	118
		Asphalt Paver	3	106	98	98	111	103	103
		Roller	4	105	98	98	111	104	104
				<b>122</b>	<b>117</b>	<b>116</b>	<b>132</b>	<b>125</b>	<b>123</b>