

Powered Mechanical Equipment (PME) for the Different Construction Tasks

Scenario: Unmitigated

1. Site Formation

1.1 Cofferdam Construction

(Jun 13 - Nov 13 & Jun 14 - Jul 14)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	12	104	100%	0	115
Tug Boat	CNP 221	6	110	100%	0	118
Vibratory Hammer	BS P4/53	6	118	50%	0	123
Total SWL						124

1.2 Site Filling

(Jan 14 - Oct 14)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	6	104	100%	0	112
Tug Boat	CNP 221	6	110	100%	0	118
Total SWL						119

1.3 Removal of Surcharge Loading

(Apr 14 - Jul 15)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	4	104	100%	0	110
Tug Boat	CNP 221	4	110	100%	0	116
Total SWL						117

1.4a Breakwater Construction (Phase 1)

(Jun 13 - Nov 13)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	2	104	100%	0	107
Tug Boat	CNP 221	1	110	100%	0	110
Vibratory Hammer	BS P4/53	1	118	50%	0	115
Total SWL						117

1.4 Breakwater Construction (Phase 2)

(Jun 14 - Oct 14)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	12	104	100%	0	115
Tug Boat	CNP 221	6	110	100%	0	118
Vibratory Hammer	BS P4/53	6	118	50%	0	123
Total SWL						124

1.5 Berth Construction

(Jun 14 - Nov 14)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Derrick Barge	CNP 061	4	104	100%	0	110
Water Pump (electric)	CNP 282	4	103	100%	0	109
Concrete Pump	CNP 047	4	109	100%	0	115
Concrete Mixer	CNP 045	4	96	100%	0	102
Total SWL						117

2. Construction of IWMF

2.1 Foundation, Civil Structures & Road Works

(May 15 - Jun 18)

PME	TM Ref./ other Ref	No. of Items	SWL/ Item dB(A)	On- time %	Barrier Correction	Sub-total SWL
Generator	CNP 102	5	100	100%	0	107
Water Pump (electric)	CNP 282	10	103	70%	0	111
Crane	CNP 048	4	112	70%	0	116
Concrete Pump	CNP 047	8	109	50%	0	115
Concrete Mixer	CNP 045	4	96	60%	0	100
Poker Vibrator	CNP 170	8	113	50%	0	119
Bar Bender	CNP 021	4	90	30%	0	91
Air Compressor	CNP 002	8	102	100%	0	111
Derrick Barge	CNP 061	10	104	100%	0	114
Excavator	CNP 081	2	112	30%	0	110
Grader	CNP 104	2	113	30%	0	111
Loader	CNP 081	2	112	30%	0	110
Vibratory Roller	CNP 186	1	108	30%	0	103
Road Roller	CNP 185	1	108	30%	0	103
Asphalt Paver	CNP 004	2	109	30%	0	107
Planer	CNP 184	2	111	30%	0	109
Total SWL						124