

Appendix 5-5 - Silenced Equipment Inventory with barriers

PME usage (With Silenced Equipments and Barriers)

Task	PME	No of Equipment	% on time	Identification code	SWL	Addition for number of machine	Reduction due to % on time	Reduction for at-source mitigation	Resulting SWL	Subtotal SWL
<b>A Establishment of Wetland Nature Reserve (WNR)</b>										
A1 Drain, remove bunds and install water controls at Sector 1	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Dump Truck	1	50%	Table C.9/39	103	0.0	-3.0	0.0	100.0	
	Compactor	1	100%	CNP 050	105	0.0	0.0	-5.0	100.0	105.5
A2 Drain, remove bunds and install water controls at Sector 2	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Dump Truck	1	50%	Table C.9/39	103	0.0	-3.0	0.0	100.0	
	Compactor	1	100%	CNP 050	105	0.0	0.0	-5.0	100.0	105.5
A3 Land formation and construction of water control structures of marshland	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Bulldozer	2	100%	Table C.9/2	104	+3.0	0.0	-5.0	102.0	
	Dump Truck	2	50%	Table C.9/39	103	+3.0	-3.0	0.0	103.0	
	Compactor	2	100%	CNP 050	105	+3.0	0.0	-5.0	103.0	108.0
A4 Drain, remove bunds and install water controls at Sector 3	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Dump Truck	1	50%	Table C.9/39	103	0.0	-3.0	0.0	100.0	
	Compactor	1	100%	CNP 050	105	0.0	0.0	-5.0	100.0	105.5
<b>B Construction works for development area</b>										
B1 Site Clearance	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Dump Truck	2	100%	Table C.9/39	103	+3.0	-3.0	0.0	103.0	105.5
B2 Pond draining and dredging	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Dump truck	1	100%	Table C.9/39	103	0.0	-3.0	0.0	100.0	104.1
B3 Pond filling	Bulldozer	2	100%	Table C.9/2	104	+3.0	0.0	-5.0	102.0	
	Dump truck	2	100%	Table C.9/39	103	+3.0	-3.0	0.0	103.0	105.5
B4 Spreadng and compaction of fill material at built area	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Grader	1	100%	Table C.9/11	110	0.0	0.0	-5.0	105.0	
	Compactor	1	100%	CNP 050	105	0.0	0.0	-5.0	100.0	107.0
B5a Foundation Works - Bored Piling	Piling, large diameter bored, oscillator	2	100%	CNP 165	115	+3.0	0.0	-10.0	108.0	
	Piling, large diameter bored, reverse circulation drill	3	100%	CNP 166	100	+4.8	0.0	-10.0	94.8	
	Generator	2	100%	CNP 103	95	+3.0	0.0	-10.0	88.0	
	Excavator	2	100%	Table C.3/90	104	+3.0	0.0	-5.0	102.0	
	Lorry	2	100%	Table C.8/25	101	+3.0	-3.0	0.0	101.0	109.8
B5b Foundation works - Remaining works	Mobile crane	2	100%	Table C.7/114	101	+3.0	0.0	-5.0	99.0	
	Concrete Lorry Mixer	1	50%	CNP 044	109	0.0	-3.0	-5.0	101.0	
	Dump Truck	2	100%	Table C.9/39	103	+3.0	-3.0	0.0	103.0	
	Compactor/ Concrete Vibrator	2	100%	CNP 050	105	+3.0	0.0	-5.0	103.0	
	Concrete pump	1	100%	CNP 047	109	0.0	0.0	-10.0	99.0	
	Compressor<10m <sup>3</sup> / min	2	100%	CNP001	100	+3.0	0.0	-5.0	98.0	
	Excavator	2	100%	Table C.3/90	104	+3.0	-3.0	-5.0	99.0	109.2
B6 Superstructure and steel-bending at work area	Mobile crane	2	100%	Table C.7/114	101	+3.0	0.0	-5.0	99.0	
	Compressor<10m <sup>3</sup> / min	2	100%	CNP001	100	+3.0	0.0	-10.0	93.0	
	Concrete pump	1	100%	CNP 047	109	+0.0	0.0	-10.0	99.0	
	Hoist, Material	1	100%	CNP 122	95	0.0	0.0	-5.0	90.0	
	Crane (Tower)	2	100%	CNP 049	95	+3.0	0.0	-5.0	93.0	
	Steel bending machine	1	100%	CNP 021	90	0.0	0.0	-5.0	85.0	
	Concrete Lorry Mixer	2	50%	Table C.6/35	100	+3.0	-3.0	-5.0	95.0	
	Generator	2	100%	CNP 103	95	+3.0	0.0	-10.0	88.0	104.0
B7 Constuction of sewage pumping station	Concrete Lorry Mixer	1	50%	Table C.6/35	100	0.0	-3.0	-5.0	92.0	
	Vibratory poker	3	100%	Table C.6/40	98	+4.8	0.0	-5.0	97.8	98.8
B8 Laying of drainage, sewerage and utilities	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Concrete Lorry Mixer	1	50%	Table C.6/35	100	0.0	-3.0	-5.0	92.0	
	Vibratory poker	2	100%	Table C.6/40	98	+3.0	0.0	-5.0	96.0	
	Trench compactor	2	100%	CNP 050	105	+3.0	0.0	-5.0	103.0	105.3
B9 Paving of internal access road	Lorry	1	50%	Table C.8/25	101	0.0	-3.0	0.0	98.0	
	Asphalt Paver	1	100%	Table C.8/24	101	0.0	0.0	-5.0	96.0	
	Road Roller	1	100%	Table C.8/30	101	0.0	0.0	-5.0	96.0	101.5
<b>C Widening works of the Access Road leading to the Site</b>										
C1 Site Clearance and formation	Bulldozer	1	100%	Table C.9/2	104	0.0	0.0	-5.0	99.0	
	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Dump Truck	1	100%	Table C.9/39	103	0.0	-3.0	0.0	100.0	104.1
C2 Laying of drainage, sewerage and utilities	Excavator	1	100%	Table C.3/90	104	0.0	0.0	-5.0	99.0	
	Dump Truck	1	100%	Table C.9/39	103	0.0	-3.0	0.0	100.0	
	Vibratory poker	1	100%	Table C.6/40	98	0.0	0.0	-5.0	93.0	
	Trench compactor	1	100%	CNP 050	105	0.0	0.0	-5.0	100.0	104.8
C3 Formation of road sub-base, levelling and compaction	Grader	1	100%	Table C.9/11	110	0.0	0.0	-5.0	105.0	
	Road Roller	1	100%	Table C.8/30	101	0.0	0.0	-5.0	96.0	105.5
C4 Road paving and installation of road furniture	Lorry	1	100%	Table C.8/25	101	0.0	-3.0	0.0	98.0	
	Asphalt Paver	1	100%	Table C.8/24	101	0.0	0.0	-5.0	96.0	
	Road Roller	1	100%	Table C.8/30	101	0.0	0.0	-5.0	96.0	101.5