

Appendix 5-1 - Equipment Inventory

Task	PME	No of Equipme nt	% on time	Identifica tion code	SWL	Addition for number of machine	Reduction due to % on time	Reduction for ai-source mitigation	Resultin g SWL	Subtotal SWL
PME usage										
A Establishment of Wetland Nature Reserve (WNR)										
A1	Drain, remove bunds and install water controls at Sector 1	Excavator	1	100%	CNP 081	112	0.0	0.0		
		Bulldozer	1	100%	CNP 030	115	0.0	0.0	112.0	
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	115.0	
		Compactor	1	100%	CNP 050	105	0.0	0.0	114.0	
A2	Drain, remove bunds and install water controls at Sector 2	Excavator	1	100%	CNP 081	112	0.0	0.0		118.8
		Bulldozer	1	100%	CNP 030	115	0.0	0.0	112.0	
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	115.0	
		Compactor	1	100%	CNP 050	105	0.0	0.0	114.0	
A3	Land formation and construction of water control structures of marshland	Excavator	1	100%	CNP 081	112	0.0	0.0		118.8
		Bulldozer	2	100%	CNP 030	115	+3.0	0.0	112.0	
		Dump Truck	2	50%	CNP 067	117	+3.0	-3.0	118.0	
		Compactor	2	100%	CNP 050	105	+3.0	0.0	117.0	
A4	Drain, remove bunds and install water controls at Sector 3	Excavator	1	100%	CNP 081	112	0.0	0.0		121.3
		Bulldozer	1	100%	CNP 030	115	0.0	0.0	112.0	
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	115.0	
		Compactor	1	100%	CNP 050	105	0.0	0.0	114.0	
B Construction works for development area										
B1	Site Clearance	Bulldozer	1	100%	CNP 030	115	0.0	0.0		118.8
		Excavator	1	100%	CNP 081	112	0.0	0.0	115.0	
		Dump Truck	2	50%	CNP 067	117	+3.0	-3.0	112.0	
B2	Pond draining and dredging	Bulldozer	1	100%	CNP 030	115	0.0	0.0		119.9
		Excavator	1	100%	CNP 081	112	0.0	0.0	115.0	
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	112.0	
B3	Pond filling	Bulldozer	2	100%	CNP 030	115	+3.0	0.0		118.6
		Dump truck	2	50%	CNP 067	117	+3.0	-3.0	114.0	
B4	Spreading and compaction of fill material at built area	Bulldozer	1	100%	CNP 030	115	0.0	0.0		120.6
		Grader	1	100%	CNP 104	113	0.0	0.0	115.0	
		Compactor	1	100%	CNP 050	105	0.0	0.0	113.0	
B5a	Foundation Works - Bored Piling	Piling, large diameter bored, oscillator	2	100%	CNP 165	115	+3.0	0.0		117.4
		Piling, large diameter bored, reverse circulation drill	3	100%	CNP 166	100	+4.8	0.0	105.0	
		Generator	2	100%	CNP 101	108	+3.0	0.0	111.0	
		Excavator	2	100%	CNP 081	112	+3.0	0.0	115.0	
		Lorry	2	50%	CNP 141	112	+3.0	-3.0	112.0	
B5b	Foundation works - Remaining works	Mobile crane	2	100%	CNP 048	112	+3.0	0.0		121.0
		Concrete Lorry Mixer	1	50%	CNP 044	109	0.0	-3.0	115.0	
		Dump Truck	2	50%	CNP 067	117	+3.0	-3.0	105.0	
		Compactor/ Concrete Vibrator	2	100%	CNP 050	105	+3.0	0.0	117.0	
		Concrete pump	1	100%	CNP 047	109	0.0	0.0	108.0	
		Compressor<10m³ / min	2	100%	CNP001	100	+3.0	0.0	109.0	
		Excavator	2	50%	CNP 081	112	+3.0	-3.0	103.0	
B6	Superstructure and steel-bending at work area	Mobile crane	2	100%	CNP 048	112	+3.0	0.0		120.7
		Compressor<10m³ / min	2	100%	CNP001	100	+3.0	0.0	115.0	
		Concrete pump	1	100%	CNP 047	109	0.0	0.0	103.0	
		Hoist, Material	1	100%	CNP 122	95	0.0	0.0	109.0	
		Crane (Tower)	2	100%	CNP 049	95	+3.0	0.0	95.0	
		Steel bending machine	1	100%	CNP 021	90	0.0	0.0	98.0	
		Concrete Lorry Mixer	2	50%	CNP 044	109	+3.0	-3.0	90.0	
		Generator	2	100%	CNP 101	108	+3.0	0.0	109.0	
B7	Constuction of sewage pumping station	Concrete Lorry Mixer	1	50%	CNP 044	109	0.0	-3.0		118.0
		Vibratory poker	3	100%	CNP 170	113	+4.8	0.0	111.0	
B8	Laying of drainage, sewerage and utilities	Excavator	1	100%	CNP 081	112	0.0	0.0		118.1
		Concrete Lorry Mixer	1	50%	CNP 044	109	0.0	-3.0	112.0	
		Vibratory poker	2	100%	CNP 170	113	+3.0	0.0	105.0	
		Trench compactor	2	100%	CNP 050	105	+3.0	0.0	116.8	
B9	Paving of internal access road	Lorry	1	50%	CNP 141	112	0.0	-3.0		118.2
		Asphalt Paver	1	100%	CNP 004	109	0.0	0.0	109.0	
		Road Roller	1	100%	CNP 185	108	0.0	0.0	109.0	
C Widening works of the Access Road leading to the Site										
C1 Site Clearance and formation										
C1	Site Clearance and formation	Bulldozer	1	100%	CNP 030	115	0.0	0.0		113.5
		Excavator	1	100%	CNP 081	112	0.0	0.0	115.0	
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	112.0	
C2	Laying of drainage, sewerage and utilities	Excavator	1	100%	CNP 081	112	0.0	0.0		118.6
		Dump Truck	1	50%	CNP 067	117	0.0	-3.0	112.0	
		Vibratory poker	1	100%	CNP 170	113	0.0	0.0	114.0	
		Trench compactor	1	100%	CNP 050	105	0.0	0.0	113.0	
C3	Formation of road sub-base, levelling and compaction	Grader	1	100%	CNP 104	113	0.0	0.0		118.1
		Road Roller	1	100%	CNP 185	108	0.0	0.0	105.0	
C4	Road paving and installation of road furniture	Lorry	1	50%	CNP 141	112	0.0	-3.0		114.2
		Asphalt Paver	1	100%	CNP 004	109	0.0	0.0	113.0	
		Road Roller	1	100%	CNP 185	108	0.0	0.0	109.0	