

Appendix 4.4 Construction Plant Inventory

Index	Activities	Plant and Inventory
A	Reclamation & Seawall Construction Works	<ul style="list-style-type: none"> ▪ Air compressor ▪ Bulldozer ▪ Conveyor belt ▪ Crawler crane ▪ Backhoes ▪ Long boom excavators ▪ Derrick barges ▪ Dump truck ▪ Excavator ▪ Generator ▪ Hydraulic breaker ▪ Tug boat ▪ Vibratory compactor ▪ Water pumps ▪ Split hopper barge ▪ Hopper barge ▪ Anchor boat ▪ Grab Dredger ▪ Crane barge ▪ Vibratory Hammer ▪ Drilling Rig ▪ Piling Rig ▪ Jack-up barge
B	Deep Cement Mixing (marine DCM)	<ul style="list-style-type: none"> ▪ DCM Barge ▪ Cement Barge ▪ Tug boats ▪ Anchor boat ▪ Jack-up barge ▪ Guard boat ▪ Derrick barge ▪ Generator ▪ Mobile crane ▪ Grab dredger ▪ Flat top barge ▪ Drilling rig
C	Jet Grouting Works	<ul style="list-style-type: none"> ▪ Tug boats ▪ Cement barge ▪ Flat top barge ▪ Anchor boat ▪ Dump truck ▪ Excavator ▪ Cement silo ▪ Cement slurry mixer ▪ Agitator ▪ High pressure slurry pump ▪ Air compressor ▪ Water pump

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D	Marine Viaduct Works	<ul style="list-style-type: none"> ▪ Derrick/Hopper barge ▪ Crane barge ▪ Tug boat ▪ Vibratory Hammer ▪ Drilling Rig ▪ Piling Rig/RCD ▪ Crane Barge ▪ Roro/Flat top barge ▪ Tug boat ▪ Pump truck ▪ Concrete truck ▪ Trailers ▪ Crane barge ▪ Tug boat ▪ Launching girder ▪ Hanger beam ▪ Formwork traveller ▪ Mobile crane ▪ Cherry-picker ▪ Pump truck ▪ Concrete truck ▪ Hydraulic Pump ▪ Pressure Guage ▪ Hydrdraulic Jack ▪ Crane Lorry ▪ Milling Machine ▪ Bitumen Paver ▪ Drum Roller
E	Site Clearance	<ul style="list-style-type: none"> ▪ Bulldozer, tracked ▪ Excavator, wheeled/tracked ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne

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F	Site Formation Works including NTHS Mitigation Measures and GI Works	<ul style="list-style-type: none"> ▪ Excavator, wheeled/tracked ▪ Breaker, excavator mounted (hydraulic) ▪ Hand-held Percussive Breaker ▪ Rock drill, crawler mounted (hydraulic) / Breaker, excavator mounted (hydraulic) ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Bulldozer, tracked ▪ Loader, wheeled ▪ Roller, vibratory ▪ Poker, vibratory, hand-held (electric) ▪ Compactor, vibratory ▪ Generator ▪ Air Compressor ▪ Drill rig, rotary type (diesel) ▪ Crawler Crane ▪ Grout Mixer ▪ Grout Pump ▪ Concrete lorry mixer ▪ Concrete pump truck ▪ Welder/Generator, portable ▪ Bar bender and cutter (electric) ▪ Water pump, submersible (electric) ▪ Air blower
G	Infrastructural (Roadworks, Waterworks, Sewerage, Drainage, UU, E&M, Paving, Road marking, Street Furniture, Landscape) including construction/demolition of PTI with Noise Barriers at G3 and O5	<ul style="list-style-type: none"> ▪ Bulldozer, tracked ▪ Excavator, wheeled/tracked ▪ Breaker, hand-held, mass > 10kg and < 20kg ▪ Breaker, excavator mounted (hydraulic) ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Crane, mobile ▪ Poker, vibratory, hand-held (electric) ▪ Roller, vibratory ▪ Loader, wheeled ▪ Compactor, vibratory ▪ Aspalt Paver ▪ Paint line marker ▪ Concrete lorry mixer ▪ Generator ▪ Air Compressor ▪ Drill rig, rotary type (diesel) ▪ Cherry-picker ▪ Welder/Generator, portable ▪ Bar bender and cutter (electric) ▪ Back hoe

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H	Construction of SR/SPS including haul road;	<ul style="list-style-type: none"> ▪ Excavator ▪ Generator ▪ Breaker, handheld ▪ Roller ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Rock Drill ▪ Air compressor ▪ Group pump ▪ Grout mixer ▪ Hoist, petrol ▪ Mobile crane ▪ Backhoe ▪ Concrete lorry mixer ▪ Bar Bender, cutter (electric) ▪ Vibratory Poker, hand-held ▪ Asphalt paver ▪
I	Upgrading of SWPS	<ul style="list-style-type: none"> ▪ Generator ▪ Air compressor ▪ Excavator ▪ Bar Bender, Cutter (electric) ▪ Mobile Crane ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Concrete Lorry Mixer ▪ Vibratory Poker, hand-held ▪ Water Pump (electric) ▪ Concrete Pump ▪ Compactor Vibratory ▪
J	Construction of EPP	<ul style="list-style-type: none"> ▪ Generator ▪ Air compressor ▪ Excavator ▪ Bar Bender, cutter (electric) ▪ Mobile crane ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Concrete lorry mixer ▪ Vibratory poker, hand-held ▪ Concrete pump ▪ Water pump (electric) ▪ Drill rig, rotary type (diesel) ▪ Group pump ▪ Grout mixer ▪

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K	Site Development	<ul style="list-style-type: none"> ▪ Excavator, wheeled/tracked ▪ Breaker, excavator mounted (hydraulic) ▪ Hand-held Percussive Breaker ▪ Rock drill, crawler mounted (hydraulic) / Breaker, excavator mounted (hydraulic) ▪ Dump truck , 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Lorry, with crane/grab, 5.5 tonne < gross vehicle weight ≤ 38 tonne ▪ Bulldozer, tracked ▪ Loader, wheeled ▪ Roller, vibratory ▪ Poker, vibratory, hand-held (electric) ▪ Compactor, vibratory ▪ Generator ▪ Air Compressor ▪ Drill rig, rotary type (diesel) ▪ Crawler Crane ▪ Grout Mixer ▪ Grout Pump ▪ Concrete lorry mixer ▪ Concrete pump truck ▪ Welder/Generator, portable ▪ Bar bender and cutter (electric) ▪ Water pump, submersible (electric) ▪ Air blower ▪ Tower Crane ▪ Piling, large diameter bored, reverse circulation drill ▪ Piling, large diameter bored, oscillator ▪ Piling, large diameter bored, grab and chisel ▪ Hydraulic cutter, grab and chisel ▪ Slurry Plant ▪ Vibratory hammer for sheet piling installation ▪ Aerial work platform, working height ≤ 13m