

**APPENDIX A**  
**CONSTRUCTION PROGRAMME AND**  
**PROACTIVE ENVIRONMENTAL**  
**PROTECTION PROFORMA**

# Construction Programme (Dec 2023 – Feb 2024)

**Design & Construction of Kong Nga Po Police Training Facilities  
Master Programme (MP)**

Revision : 02

ID	Task	Duration	Start	Finish	Total Slack	Time Risk Allowance	Gantt Chart (2023-2027)																																															
							4, 2022	Qr 1, 2023	Qr 2, 2023	Qr 3, 2023	Qr 4, 2023	Qr 1, 2024	Qr 2, 2024	Qr 3, 2024	Qr 4, 2024	Qr 1, 2025	Qr 2, 2025	Qr 3, 2025	Qr 4, 2025	Qr 1, 2026	Qr 2, 2026	Qr 3, 2026	Qr 4, 2026	Qr 1, 2027	Qr 2, 2027	Qr 3, 2027	Qr 4, 2027																											
1038	Submission Checked by ArchSD	28 d	Wed 3/5/23	Mon 5/6/23	1003 d	0 d	[Gantt bar for Submission Checked by ArchSD]																																															
1039	Approval Granted by ArchSD	0 d	Mon 5/6/23	Mon 5/6/23	1003 d	0 d	[Gantt bar for Approval Granted by ArchSD]																																															
1040	Tower Cranes	223 d	Thu 23/11/23	Tue 2/7/24	588 d		[Gantt bar for Tower Cranes]																																															
1041	Tower Crane TC1 Installation	5 d	Thu 23/11/23	Tue 28/11/23	862 d	0 d	[Gantt bar for Tower Crane TC1 Installation]																																															
1042	Tower Crane TC1 Dismantling	5 d	Wed 26/6/24	Tue 2/7/24	300 d	0 d	[Gantt bar for Tower Crane TC1 Dismantling]																																															
1043	Material Hoists	93 d	Mon 25/3/24	Tue 25/6/24	850 d		[Gantt bar for Material Hoists]																																															
1044	Material Hoist MH1 Installation	5 d	Mon 25/3/24	Fri 29/3/24	765 d	0 d	[Gantt bar for Material Hoist MH1 Installation]																																															
1045	Material Hoist MH1 Dismantling	5 d	Thu 20/6/24	Tue 25/6/24	696 d	0 d	[Gantt bar for Material Hoist MH1 Dismantling]																																															
1046	Refuse Chutes & Collection Chambers	93 d	Mon 25/3/24	Tue 25/6/24	850 d		[Gantt bar for Refuse Chutes & Collection Chambers]																																															
1047	Refuse Chute RC1 Installation	5 d	Mon 25/3/24	Fri 29/3/24	765 d	0 d	[Gantt bar for Refuse Chute RC1 Installation]																																															
1048	Refuse Chute RC1 Dismantling	5 d	Thu 20/6/24	Tue 25/6/24	696 d	0 d	[Gantt bar for Refuse Chute RC1 Dismantling]																																															
1049	<b>Foundation and Substructure Construction</b>	<b>504 d</b>	<b>Thu 19/1/23</b>	<b>Wed 5/6/24</b>	<b>120 d</b>		[Gantt bar for Foundation and Substructure Construction]																																															
1050	ELS, Foundation and Substructure Works	87 d	Thu 19/1/23	Sat 15/4/23	265 d		[Gantt bar for ELS, Foundation and Substructure Works]																																															
1051	Ground Investigation	30 d	Tue 31/1/23	Wed 1/3/23	253 d	0 d	[Gantt bar for Ground Investigation]																																															
1052	Soil Redistribution	40 d	Thu 19/1/23	Mon 27/2/23	1334 d	0 d	[Gantt bar for Soil Redistribution]																																															
1053	Plate load test ( WTF / SOTF / 25m Baffle Range and 300m Baffle Range)	45 d	Thu 2/3/23	Sat 15/4/23	1287 d	0 d	[Gantt bar for Plate load test]																																															
1054	Section 1 Works	267 d	Fri 14/4/23	Fri 5/1/24	35 d		[Gantt bar for Section 1 Works]																																															
1055	PD&TTC Block1 (Training Complex)	238 d	Fri 14/4/23	Thu 7/12/23	360 d		[Gantt bar for PD&TTC Block1 (Training Complex)]																																															
1056	Pre-drilling Works	30 d	Fri 14/4/23	Sat 13/5/23	360 d	0 d	[Gantt bar for Pre-drilling Works]																																															
1057	Pre-drilling works completion and issue report	7 d	Sun 14/5/23	Sat 20/5/23	360 d	0 d	[Gantt bar for Pre-drilling works completion and issue report]																																															
1058	Trial pile	12 d	Sun 21/5/23	Thu 1/6/23	360 d	0 d	[Gantt bar for Trial pile]																																															
1059	Piling works	55 d	Fri 2/6/23	Wed 26/7/23	360 d	1 d	[Gantt bar for Piling works]																																															
1060	Piling Tests	45 d	Wed 26/7/23	Fri 8/9/23	360 d	0 d	[Gantt bar for Piling Tests]																																															
1061	Post drill and piling works completion	15 d	Fri 8/9/23	Fri 22/9/23	360 d	0 d	[Gantt bar for Post drill and piling works completion]																																															
1062	Excavation to piling cut off and bottom of pile cap	14 d	Fri 22/9/23	Thu 5/10/23	360 d	0 d	[Gantt bar for Excavation to piling cut off and bottom of pile cap]																																															
1063	Slope Modification	45 d	Sun 16/4/23	Tue 30/5/23	431 d	0 d	[Gantt bar for Slope Modification]																																															
1064	Pile caps construction	52 d	Mon 2/10/23	Wed 22/11/23	360 d	1 d	[Gantt bar for Pile caps construction]																																															
1065	Underground Drainage / Earthing Pits / Lightning Pits	21 d	Fri 3/11/23	Thu 23/11/23	1065 d	0 d	[Gantt bar for Underground Drainage / Earthing Pits / Lightning Pits]																																															
1066	Back Filling, Waterproofing and LG/F Slab	15 d	Thu 23/11/23	Thu 7/12/23	360 d	0 d	[Gantt bar for Back Filling, Waterproofing and LG/F Slab]																																															
1067	PD&TTC Block 2-8 (Driving Blocks)	170 d	Thu 20/7/23	Fri 5/1/24	67 d		[Gantt bar for PD&TTC Block 2-8 (Driving Blocks)]																																															
1068	Excavation Works	35 d	Thu 20/7/23	Tue 29/8/23	56 d	0 d	[Gantt bar for Excavation Works]																																															
1069	Footing	84 d	Sat 12/8/23	Tue 21/11/23	56 d	1 d	[Gantt bar for Footing]																																															
1070	Underground Drainage / Earthing Pits / Lightning Pits	90 d	Wed 30/8/23	Fri 15/12/23	56 d	1 d	[Gantt bar for Underground Drainage / Earthing Pits / Lightning Pits]																																															
1071	Back Filling, Waterproofing and G/F Slab	90 d	Mon 18/9/23	Fri 5/1/24	56 d	1 d	[Gantt bar for Back Filling, Waterproofing and G/F Slab]																																															
1072	WTF Block 1-4	220 d	Thu 25/5/23	Sat 30/12/23	-7 d		[Gantt bar for WTF Block 1-4]																																															
1073	Excavation Works	46 d	Thu 25/5/23	Wed 19/7/23	-5 d	0 d	[Gantt bar for Excavation Works]																																															
1074	Footing	78 d	Mon 3/7/23	Tue 3/10/23	-5 d	1 d	[Gantt bar for Footing]																																															
1075	Underground Drainage / Earthing Pits / Lightning Pits	100 d	Wed 26/7/23	Wed 22/11/23	-5 d	1 d	[Gantt bar for Underground Drainage / Earthing Pits / Lightning Pits]																																															
1076	Back Filling, Waterproofing and G/F Slab	102 d	Wed 30/8/23	Sat 30/12/23	-5 d	1 d	[Gantt bar for Back Filling, Waterproofing and G/F Slab]																																															
1077	Completion of Foundation and Substructure Works of Section 1	0 d	Fri 5/1/24	Fri 5/1/24	831 d	0 d	[Gantt bar for Completion of Foundation and Substructure Works of Section 1]																																															
1078	Section 2 Works	208 d	Sat 11/11/23	Wed 5/6/24	870 d		[Gantt bar for Section 2 Works]																																															
1079	Baffle Range	131 d	Sat 11/11/23	Wed 20/3/24	947 d		[Gantt bar for Baffle Range]																																															
1080	Excavation Works	30 d	Sat 11/11/23	Fri 15/12/23	773 d	0 d	[Gantt bar for Excavation Works]																																															
1081	Footing	40 d	Sat 16/12/23	Fri 2/2/24	773 d	0 d	[Gantt bar for Footing]																																															
1082	Underground Drainage	30 d	Mon 29/1/24	Sat 9/3/24	773 d	0 d	[Gantt bar for Underground Drainage]																																															
1083	Back Filling, Waterproofing and G/F Slab	14 d	Tue 5/3/24	Wed 20/3/24	773 d	0 d	[Gantt bar for Back Filling, Waterproofing and G/F Slab]																																															
1084	SOTF Block 1-4	208 d	Sat 11/11/23	Wed 5/6/24	870 d		[Gantt bar for SOTF Block 1-4]																																															
1085	Excavation Works	40 d	Sat 11/11/23	Thu 28/12/23	712 d	0 d	[Gantt bar for Excavation Works]																																															
1086	Footing	80 d	Mon 11/12/23	Thu 21/3/24	712 d	1 d	[Gantt bar for Footing]																																															
1087	Underground Drainage	100 d	Fri 5/1/24	Sat 11/5/24	712 d	1 d	[Gantt bar for Underground Drainage]																																															
1088	Back Filling, Waterproofing and G/F Slab	90 d	Fri 9/2/24	Wed 5/6/24	712 d	1 d	[Gantt bar for Back Filling, Waterproofing and G/F Slab]																																															
1089	Completion of Foundation and Substructure Works of Section 1	0 d	Wed 5/6/24	Wed 5/6/24	712 d	0 d	[Gantt bar for Completion of Foundation and Substructure Works of Section 1]																																															
1090	<b>Superstructure Construction</b>	<b>508 d</b>	<b>Wed 14/6/23</b>	<b>Sat 2/11/24</b>	<b>107 d</b>		[Gantt bar for Superstructure Construction]																																															
1091	Section 1 Works	402 d	Wed 14/6/23	Fri 19/7/24	107 d		[Gantt bar for Section 1 Works]																																															
1092	PD&TTC Block 1 (Cast in-situ + recess opening method)	402 d	Wed 14/6/23	Fri 19/7/24	437 d		[Gantt bar for PD&TTC Block 1 (Cast in-situ + recess opening method)]																																															
1093	Embed of Curtain Wall Fabrication and Dilevery	90 d	Wed 14/6/23	Mon 11/9/23	437 d	1 d	[Gantt bar for Embed of Curtain Wall Fabrication and Dilevery]																																															
1094	Subletting and Materials Ordering	90 d	Thu 13/7/23	Tue 10/10/23	408 d	1 d	[Gantt bar for Subletting and Materials Ordering]																																															
1095	G/F	35 d	Tue 28/11/23	Mon 1/1/24	360 d	0 d	[Gantt bar for G/F]																																															

**中國建築聯營**  
CHINA STATE JOINT VENTURE

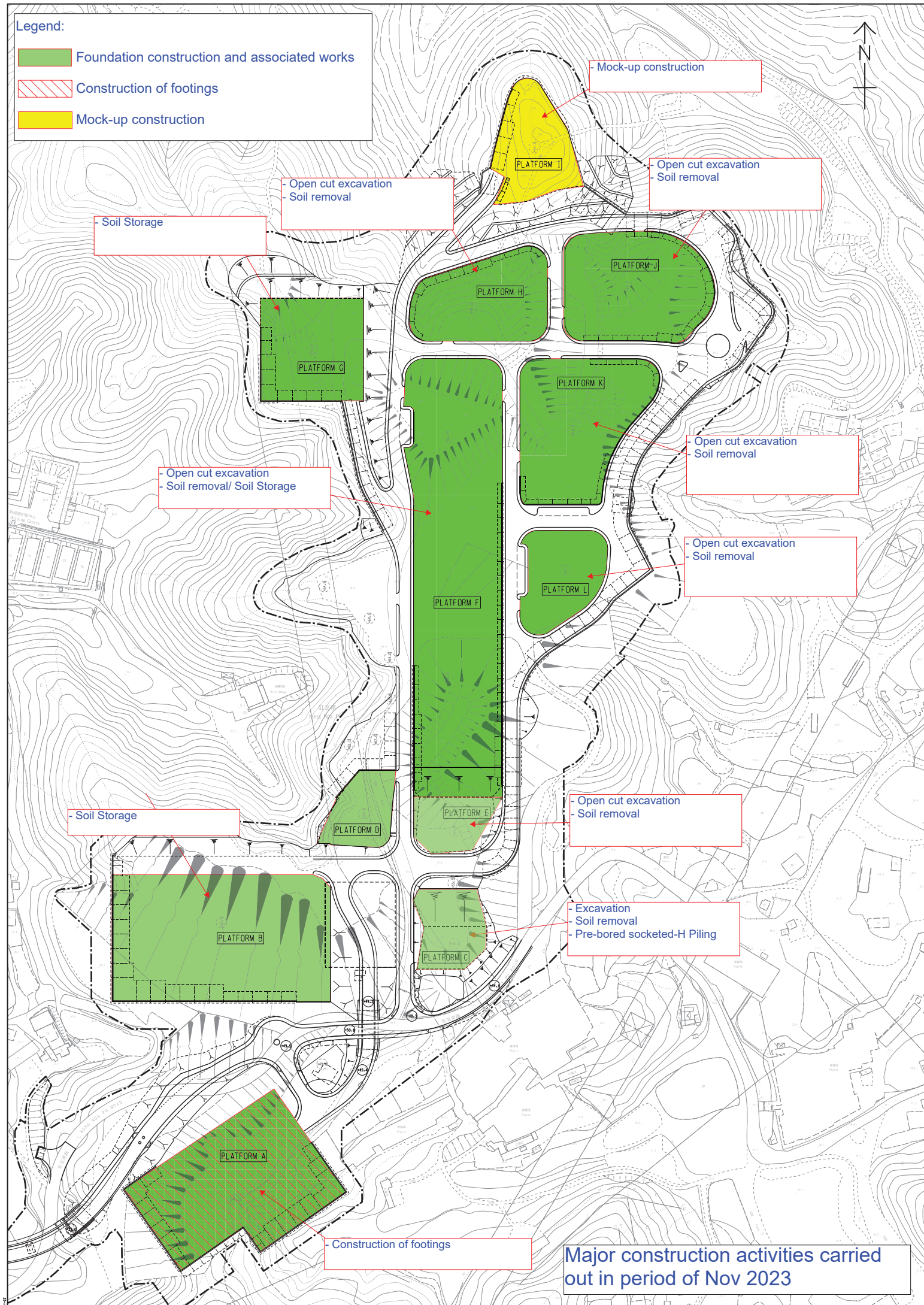
Task	<span style="color: green;">█</span> Milestone	<span style="color: grey;">○</span> Inactive Milestone	<span style="border: 1px solid grey; width: 10px; height: 10px; display: inline-block;"></span> Manual Task	<span style="color: blue;">◇</span> Manual Summary Rollup	<span style="color: red;">▬</span> Start-only	<span style="color: red;">▬</span> External Tasks	<span style="color: blue;">◇</span>
Critical Task	<span style="color: red;">█</span> Summary	<span style="color: grey;">○</span> Inactive Summary	<span style="border-bottom: 1px dotted grey; width: 10px; display: inline-block;"></span> Duration-only	<span style="color: blue;">●</span> Manual Summary	<span style="color: red;">▬</span> Finish-only	<span style="color: red;">▬</span> External Milestone	<span style="color: blue;">◇</span>



# Layout Plan with major construction activities

Legend:

- Foundation construction and associated works
- Construction of footings
- Mock-up construction



Soil Storage

- Open cut excavation  
- Soil removal

Mock-up construction

- Open cut excavation  
- Soil removal

- Open cut excavation  
- Soil removal/ Soil Storage

- Open cut excavation  
- Soil removal

- Open cut excavation  
- Soil removal

- Soil Storage

- Open cut excavation  
- Soil removal

- Excavation  
- Soil removal  
- Pre-bored socketed-H Piling

- Construction of footings

Major construction activities carried out in period of Nov 2023

Legend:

- Foundation construction and associated works
- Construction of footings
- Mock-up construction



Soil Storage

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

Mock-up construction

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Open cut excavation
- Soil removal/ Soil Storage

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection

- Soil Storage
- Open cut excavation
- Soil removal
- Construction of footings

- Open cut excavation
- Soil removal
- Construction of footings

- Excavation
- Soil removal
- Construction of pile cap
- Construction of footings

- Construction of footings
- U.U. Lead in and Pipe Duct Connection
- Backfilling

Major construction activities carried out in period of Dec 2023~Feb 2024

# Proactive Environmental Protection Proforma



Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact from excavation activities and earth moving	<ul style="list-style-type: none"> <li>• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather</li> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Manual water spraying for dusty operation where inaccessible by water bowser</li> <li>• Speed control of site transportation</li> <li>• Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>• Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>• Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> </ul>
EIA 4.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> </ul>

				<ul style="list-style-type: none"> <li>• Enclose the noisy part of machineries with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> <li>• Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>• Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>• Regular inspection and maintenance of wastewater treatment facilities</li> <li>• Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge</li> <li>• Hard paving or well-compact of main haul road to minimize washout of soil</li> <li>• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> </ul>
EIA 7.5.1.1 &			Waste Generation	<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and</li> </ul>

7.5.1.2; EM&A Log 6.2				<p>chemical handling procedures</p> <ul style="list-style-type: none"> <li>• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>• Surplus inert C&amp;D materials will be disposed of at designated Government's PFRF.</li> </ul>
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre</li> <li>• Drip tray and chemical spillage kit will be provided on site</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to frontline workers for the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Restrict construction area to minimize the impact on existing retained trees</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Soil Removal	Kong Nga Po Site	Dust impact from excavation activities and earth	<ul style="list-style-type: none"> <li>• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather</li> </ul>

			moving	<ul style="list-style-type: none"> <li>• Water spraying during loading and unloading of excavated materials</li> <li>• Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Speed control of site transportation</li> <li>• Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>• Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> </ul>
EIA 4.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Enclose the noisy part of machineries with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> <li>• Cover the stockpiles of excavated materials to reduce the potential for water pollution</li> </ul>

				<ul style="list-style-type: none"> <li>• Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>• Regular inspection and maintenance of wastewater treatment facilities</li> <li>• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> </ul>
EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2			Waste Generation	<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and chemical handling procedures</li> <li>• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>• Surplus inert C&amp;D materials will be disposed of at designated Government's PFRF.</li> </ul>
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre</li> <li>• Drip tray and chemical spillage kit will be provided on site</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to frontline workers for the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative</li> </ul>

				species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Restrict construction area to minimize the impact on existing retained trees</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Construction of footings	Kong Nga Po Site	Air	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant and equipment in good condition</li> <li>• Regularly clean up stockpiles and debris to avoid accumulation of materials</li> <li>• Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.</li> </ul>
EIA 4.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Enclose the noisy part of machineries with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>

EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> <li>Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> <li>Designated location for residual concrete washout</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> </ul>
EIA 7.5.1.4; EM&A Log			Chemical Waste	<ul style="list-style-type: none"> <li>Drip tray and chemical spillage kit shall be provided on site</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>Provide training to frontline workers for the conservative species</li> <li>Provision of protective fence for the conservative species</li> <li>Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Pre-bored Socketed-H Piling	Kong Nga Po Site	Air	<ul style="list-style-type: none"> <li>Regular inspection and maintenance of plant and equipment in good condition</li> <li>Regularly clean up stockpiles and debris to avoid</li> </ul>


				<p>accumulation of materials</p> <ul style="list-style-type: none"> <li>Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.</li> </ul>
EIA 4.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>Enclose the noisy part of machineries with noise enclosure</li> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>Valid construction noise permit should be obtained and displayed on site</li> <li>In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> <li>Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>Wastewater generated from piling or surface runoff shall be treated prior to discharge</li> </ul>
EIA 7.5.1.1; EM&A Log 6.2			Waste Management	<ul style="list-style-type: none"> <li>Cover stockpiles of C&amp;D materials by impervious sheets to avoid wind-blown dust.</li> <li>Spray water on all dusty materials including C&amp;D materials</li> </ul>



				immediately prior to any loading transfer operation
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>Drip tray and chemical spillage kit shall be provided on site</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>Provide training to frontline workers for the conservative species</li> <li>Provision of protective fence for the conservative species</li> <li>Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts</li> </ul>

*\*EIA Ref/ EM&A Log/ Design Document Ref*

*\*\*Details of equipment, vehicles, plants, processes, technologies for the construction method*

Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact	<ul style="list-style-type: none"> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Manual water spraying for dust suppression</li> <li>• Regular inspection and maintenance of plant and equipment in good condition</li> <li>• Cover stockpile with impervious sheets or grout</li> <li>• Provide wheel washing facility at site entrance</li> </ul>	 <p>By main contractor at KNP site</p>


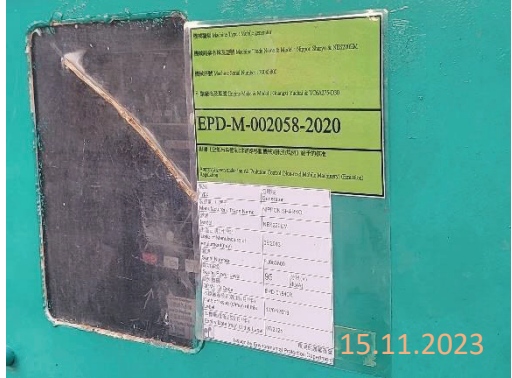
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By main contractor at KNP site



By main contractor at KNP site

					 <p>By main contractor at KNP site</p>
<p>EIA 4.4.6; EM&amp;A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Deploy Quality Powered Mechanical Equipment (QPME) if possible</li> <li>• Provide noise insulating mat for certain powered mechanical equipment.</li> <li>• Valid construction noise permit should be</li> </ul>	 <p>By main contractor at KNP site</p>

				displayed at site entrance.	
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to workers about the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative species</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By subcontractor at KNP site</p>

<p>EIA 3.9.1; EM&amp;A Log 2.2</p>	<p>Soil Removal</p>	<p>Kong Nga Po Site</p>	<p>Air</p>	<ul style="list-style-type: none"> <li>• Cover dusty materials with impervious sheets</li> <li>• Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By subcontractor at KNP site</p>
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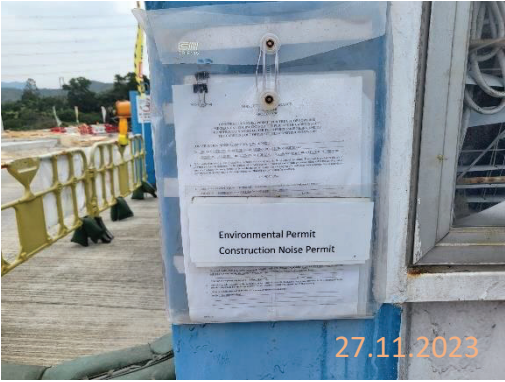
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By main contractor at KNP site



By main contractor at KNP site

<p>EIA 4.4.6; EM&amp;A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Deploy Quality Powered Mechanical Equipment (QPME) if possible</li> <li>• Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor or generator.</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By main contractor at KNP site</p>
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EIA 5.6.1.2  
and EM&A  
Log 4.2

Water Quality

- Cover exposed slopes with impervious sheets or cement grout.
- Wastewater pumped out of the excavation areas shall be treated to remove suspended solid prior to discharge.
- Provide desilting/ sedimentation devices for wastewater treatment prior to discharge



By main contractor at KNP site



By main contractor at KNP site

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By main contractor at KNP site



By main contractor at KNP site

<p>EIA 5.6.1.3 and EM&amp;A Log 4.2</p>			<p>Water Quality</p>	<ul style="list-style-type: none"> <li>• Provide drip tray to prevent spillage of fuels.</li> </ul>	 <p>By main contractor at KNP site</p>
<p>EIA Table 10.11; EM&amp;A Table 9.1</p>			<p>Landscape and Visual Impact</p>	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Implement temporary traffic arrangement which control construction area to</li> </ul>	 <p>By main contractor at KNP site</p>

				minimize landscape and visual impacts	
EIA 3.9.1; EM&A Log 2.2	Construction of footings	Kong Nga Po Site	Air	<ul style="list-style-type: none"> <li>Cover dusty materials with impervious sheets</li> <li>Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.</li> <li>Provide wheel washing facility at site entrance</li> </ul>	 <p>By main contractor at KNP site</p>
EIA 4.4.6; EM&A Log 3.2			Noise	<ul style="list-style-type: none"> <li>Valid construction noise permit should be obtained and displayed on site</li> </ul>	 <p>By main contractor at KNP site</p>

EIA 5.6.1.3  
and EM&A  
Log 4.2

Water Quality

- Surface water from concrete batching areas and the rest of the site should be separated as far as possible.



By subcontractor at KNP site