

APPENDIX A
CONSTRUCTION PROGRAMME AND
PROACTIVE ENVIRONMENTAL
PROTECTION PROFORMA

Construction Programme (Aug – Oct 2023)

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

Revision : 02

ID	Task	Duration	Start	Finish	Total Slack	Time Risk Allowance	2023					
							Jun	Jul	Qtr 3, 2023 Aug	Sep	Oct	
1027	Submission to Design Checker	0 d	Tue 27/12/22	Tue 27/12/22	1087 d	0 d						
1028	Checking by Design Checker	7 d	Wed 28/12/22	Thu 5/1/23	1087 d	0 d						
1029	Submission to ArchSD	0 d	Thu 5/1/23	Thu 5/1/23	1087 d	0 d						
1030	Assessment of Proposal by ArchSD	21 d	Fri 6/1/23	Mon 30/1/23	1087 d	0 d						
1031	Approval by ArchSD	0 d	Mon 30/1/23	Mon 30/1/23	1087 d	0 d						
1032	Installation of Monitoring Stations	18 d	Tue 31/1/23	Mon 27/2/23	1087 d	0 d						
1033	Complete Monitoring Station Installation	0 d	Mon 27/2/23	Mon 27/2/23	1087 d	0 d						
1034	Major Plant & Equipment	448 d	Wed 12/4/23	Tue 2/7/24	813 d							
1035	Temporary Work Design Submission	55 d	Wed 12/4/23	Mon 5/6/23	1231 d							
1036	Prepare Temporary Work Design	14 d	Wed 12/4/23	Tue 2/5/23	1003 d	0 d						
1037	Submission to ArchSD	0 d	Tue 2/5/23	Tue 2/5/23	1003 d	0 d						
1038	Submission Checked by ArchSD	28 d	Wed 3/5/23	Mon 5/6/23	1003 d	0 d						
1039	Approval Granted by ArchSD	0 d	Mon 5/6/23	Mon 5/6/23	1003 d	0 d						
1040	Tower Cranes	223 d	Thu 23/11/23	Tue 2/7/24	588 d							
1041	Tower Crane TC1 Installation	5 d	Thu 23/11/23	Tue 28/11/23	862 d	0 d						
1042	Tower Crane TC1 Dismantling	5 d	Wed 26/6/24	Tue 2/7/24	300 d	0 d						
1043	Material Hoists	93 d	Mon 25/3/24	Tue 25/6/24	850 d							
1044	Material Hoist MH1 Installation	5 d	Mon 25/3/24	Fri 29/3/24	765 d	0 d						
1045	Material Hoist MH1 Dismantling	5 d	Thu 20/6/24	Tue 25/6/24	696 d	0 d						
1046	Refuse Chutes & Collection Chambers	93 d	Mon 25/3/24	Tue 25/6/24	850 d							
1047	Refuse Chute RC1 Installation	5 d	Mon 25/3/24	Fri 29/3/24	765 d	0 d						
1048	Refuse Chute RC1 Dismantling	5 d	Thu 20/6/24	Tue 25/6/24	696 d	0 d						
1049	Foundation and Substructure Construction	504 d	Thu 19/1/23	Wed 5/6/24	120 d							
1050	ELS, Foundation and Substructure Works	87 d	Thu 19/1/23	Sat 15/4/23	265 d							
1051	Ground Investigation	30 d	Tue 31/1/23	Wed 1/3/23	253 d	0 d						
1052	Soil Redistribution	40 d	Thu 19/1/23	Mon 27/2/23	1334 d	0 d						
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						
1054	Section 1 Works	267 d	Fri 14/4/23	Fri 5/1/24	35 d							
1055	PD&TTC Block1 (Training Complex)	238 d	Fri 14/4/23	Thu 7/12/23	360 d							
1056	Pre-drilling Works	30 d	Fri 14/4/23	Sat 13/5/23	360 d	0 d						
1057	Pre-drilling works completion and issue report	7 d	Sun 14/5/23	Sat 20/5/23	360 d	0 d						
1058	Trial pile	12 d	Sun 21/5/23	Thu 1/6/23	360 d	0 d						
1059	Piling works	55 d	Fri 2/6/23	Wed 26/7/23	360 d	1 d						
1060	Piling Tests	45 d	Wed 26/7/23	Fri 8/9/23	360 d	0 d						
1061	Post drill and piling works completion	15 d	Fri 8/9/23	Fri 22/9/23	360 d	0 d						
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						
1063	Slope Modification	45 d	Sun 16/4/23	Tue 30/5/23	431 d	0d						
1064	Pile caps construction	52 d	Mon 2/10/23	Wed 22/11/23	360 d	1 d						
1065	Underground Drainage / Earthing Pits / Lightning Pits	21 d	Fri 3/11/23	Thu 23/11/23	1065 d	0 d						
1066	Back Filling, Waterproofing and LG/F Slab	15 d	Thu 23/11/23	Thu 7/12/23	360 d	0 d						
1067	PD&TTC Block 2-8 (Driving Blocks)	170 d	Thu 20/7/23	Fri 5/1/24	67 d							
1068	Excavation Works	35 d	Thu 20/7/23	Tue 29/8/23	56 d	0 d						
1069	Footing	84 d	Sat 12/8/23	Tue 21/11/23	56 d	1 d						
1070	Underground Drainage / Earthing Pits / Lightning Pits	90 d	Wed 30/8/23	Fri 15/12/23	56 d	1 d						
1071	Back Filling, Waterproofing and G/F Slab	90 d	Mon 18/9/23	Fri 5/1/24	56 d	1 d						
1072	WTF Block 1-4	220 d	Thu 25/5/23	Sat 30/12/23	-7 d							
1073	Excavation Works	46 d	Thu 25/5/23	Wed 19/7/23	-5 d	0 d						
1074	Footing	78 d	Mon 3/7/23	Tue 3/10/23	-5 d	1 d						
1075	Underground Drainage / Earthing Pits / Lightning Pits	100 d	Wed 26/7/23	Wed 22/11/23	-5 d	1 d						
1076	Back Filling, Waterproofing and G/F Slab	102 d	Wed 30/8/23	Sat 30/12/23	-5 d	1 d						
1077	Completion of Foundation and Substructure Works of Section 1	0 d	Fri 5/1/24	Fri 5/1/24	831 d	0 d						
1078	Section 2 Works	208 d	Sat 11/11/23	Wed 5/6/24	870 d							
1079	Baffle Range	131 d	Sat 11/11/23	Wed 20/3/24	947 d							
1080	Excavation Works	30 d	Sat 11/11/23	Fri 15/12/23	773 d	0 d						
1081	Footing	40 d	Sat 16/12/23	Fri 2/2/24	773 d	0 d						
1082	Underground Drainage	30 d	Mon 29/1/24	Sat 9/3/24	773 d	0 d						
1083	Back Filling, Waterproofing and G/F Slab	14 d	Tue 5/3/24	Wed 20/3/24	773 d	0 d						



Task	█ Summary	 Manual Task	◆ Manual Summary	 External Tasks
Critical Task	█ Inactive Milestone	 Duration-only	◆ Start-only	 External Milestone
Milestone	● Inactive Summary	 Manual Summary Rollup	◆ Finish-only	 External Milestone

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

Revision : 02



ID	Task	Duration	Start	Finish	Total Slack	Time Risk Allowance	2023				
							Jun	Jul	Qtr 3, 2023 Aug	Sep	Oct
1084	SOTF Block 1-4	208 d	Sat 11/11/23	Wed 5/6/24	870 d						
1085	Excavation Works	40 d	Sat 11/11/23	Thu 28/12/23	712 d	0 d					
1086	Footing	80 d	Mon 11/12/23	Thu 21/3/24	712 d	1 d					
1087	Underground Drainage	100 d	Fri 5/1/24	Sat 11/5/24	712 d	1 d					
1088	Back Filling, Waterproofing and G/F Slab	90 d	Fri 9/2/24	Wed 5/6/24	712 d	1 d					
1089	Completion of Foundation and Substructure Works of Section 1	0 d	Wed 5/6/24	Wed 5/6/24	712 d	0 d					
1090	Superstructure Construction	508 d	Wed 14/6/23	Sat 2/11/24	107 d						
1091	Section 1 Works	402 d	Wed 14/6/23	Fri 19/7/24	107 d						
1092	PD&TTC Block 1 (Cast in-situ + recess opening method)	402 d	Wed 14/6/23	Fri 19/7/24	437 d						
1093	Embed of Curtain Wall Fabrication and Dilevery	90 d	Wed 14/6/23	Mon 11/9/23	437 d	1 d					
1094	Subletting and Materials Ordering	90 d	Thu 13/7/23	Tue 10/10/23	408 d	1 d					
1095	G/F	35 d	Tue 28/11/23	Mon 1/1/24	360 d	0 d					
1096	1/F	30 d	Thu 28/12/23	Fri 26/1/24	360 d	0 d					
1097	2/F	18 d	Mon 22/1/24	Thu 8/2/24	360 d	0 d					
1098	3/F	18 d	Sun 4/2/24	Wed 21/2/24	360 d	0 d					
1099	4/F	18 d	Mon 19/2/24	Thu 7/3/24	366 d	0 d					
1100	R/F	18 d	Wed 6/3/24	Sat 23/3/24	366 d	0 d					
1101	UR/F	14 d	Sun 24/3/24	Sat 6/4/24	366 d	0 d					
1102	TR/F	14 d	Sun 7/4/24	Sat 20/4/24	366 d	0 d					
1103	Opening of Tower Crane	17 d	Wed 3/7/24	Fri 19/7/24	371 d	0 d					
1104	MiC Installation (Lifting through opening + Slide-in method)	310 d	Mon 21/8/23	Tue 25/6/24	372 d						
1105	Structural Materials Submission & Approval	60 d	Mon 21/8/23	Thu 19/10/23	372 d	1 d					
1106	Fitting Out Materials Submission & Approval	60 d	Tue 24/10/23	Fri 22/12/23	1036 d	1 d					
1107	Structural materials Ordering and Fabrication of MiC Carcass	65 d	Fri 20/10/23	Sat 23/12/23	372 d	1 d					
1108	MiC Fabrication / Installation and Dilevery on Site	110 d	Sun 24/12/23	Thu 11/4/24	372 d	1 d					
1109	On-site Trial Installation	5 d	Fri 12/4/24	Tue 16/4/24	372 d	0 d					
1110	MiC / MiMep / Precast Beam and Slab Installation	70 d	Wed 17/4/24	Tue 25/6/24	372 d	1 d					
1111	PD&TTC Block 2-8 and Carpark	82 d	Thu 30/11/23	Mon 19/2/24	68 d						
1112	Block 2 Carpark	14 d	Thu 30/11/23	Fri 15/12/23	56 d	0 d					
1113	Block 3 (2-wheeled driving ground) (5Nos.of MiC)	7 d	Sat 16/12/23	Sat 23/12/23	56 d	0 d					
1114	Block 4 (Emergency Braking Training) (11Nos.of MiC)	10 d	Mon 25/12/23	Sat 6/1/24	56 d	0 d					
1115	Block 5 (Skid Pad) (14 Nos.of MiC)	14 d	Mon 8/1/24	Tue 23/1/24	56 d	0 d					
1116	Block 6 (4-wheeled driving ground) (5Nos.of MiC)	7 d	Wed 24/1/24	Wed 31/1/24	56 d	0 d					
1117	Block 7 (2-wheeled & 4-wheeled driving ground) (10Nos.of MiC)	10 d	Thu 1/2/24	Mon 19/2/24	56 d	0 d					
1118	Fuel filling Station	87 d	Mon 16/10/23	Wed 10/1/24	463 d						
1119	Underground fuel tank	45 d	Mon 16/10/23	Wed 6/12/23	377 d	0 d					
1120	Backfilling and G/F slab	14 d	Thu 7/12/23	Fri 22/12/23	377 d	0 d					
1121	Fuel station superstructure	14 d	Sat 23/12/23	Wed 10/1/24	377 d	0 d					
1122	WTF Block 1-4	161 d	Fri 6/10/23	Thu 14/3/24	-7 d						
1123	Block 1 (Admin Block)	68 d	Fri 6/10/23	Tue 12/12/23	-7 d						
1124	1/F	21 d	Fri 6/10/23	Tue 31/10/23	-5 d	0 d					
1125	2/F	16 d	Mon 30/10/23	Thu 16/11/23	-5 d	0 d					
1126	R/F	12 d	Wed 15/11/23	Tue 28/11/23	-5 d	0 d					
1127	TR/F	14 d	Mon 27/11/23	Tue 12/12/23	-5 d	0 d					
1128	Block 2 (Arcade and Residential Mock Bldg.)	68 d	Fri 6/10/23	Tue 12/12/23	2 d						
1129	1/F	21 d	Fri 6/10/23	Tue 31/10/23	2 d	0 d					
1130	2/F	16 d	Mon 30/10/23	Thu 16/11/23	2 d	0 d					
1131	R/F	12 d	Wed 15/11/23	Tue 28/11/23	2 d	0 d					
1132	TR/F	14 d	Mon 27/11/23	Tue 12/12/23	2 d	0 d					
1133	Block 3 (MOE Bldg.)	95 d	Mon 11/12/23	Thu 14/3/24	-6 d						
1134	1/F	26 d	Mon 11/12/23	Thu 11/1/24	-5 d	0 d					
1135	2/F	18 d	Wed 10/1/24	Tue 30/1/24	-5 d	0 d					
1136	R/F	18 d	Mon 29/1/24	Sat 24/2/24	-5 d	0 d					
1137	TR/F	18 d	Fri 23/2/24	Thu 14/3/24	-5 d	0 d					
1138	Block 4 (Marine Mock Bldg.)	95 d	Mon 11/12/23	Thu 14/3/24	2 d						
1139	1/F	26 d	Mon 11/12/23	Thu 11/1/24	2 d	0 d					
1140	2/F	18 d	Wed 10/1/24	Tue 30/1/24	2 d	0 d					



Task		Summary		Manual Task		Manual Summary		External Tasks	
Critical Task		Inactive Milestone		Duration-only		Start-only		External Milestone	
Milestone		Inactive Summary		Manual Summary Rollup		Finish-only			

Layout Plan with major construction activities

Legend:

-  Foundation construction and associated works
-  Construction of footings



- Soil Storage

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

- Open cut excavation
- Soil removal

- 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

- Open cut excavation
- Soil removal
- Construction of footings

- Ground Investigation
- Open cut excavation
- Soil removal
- Construction of footings

- Ground Investigation
- Soil removal
- Pre-bored socketed-H Piling
- Construction of footings

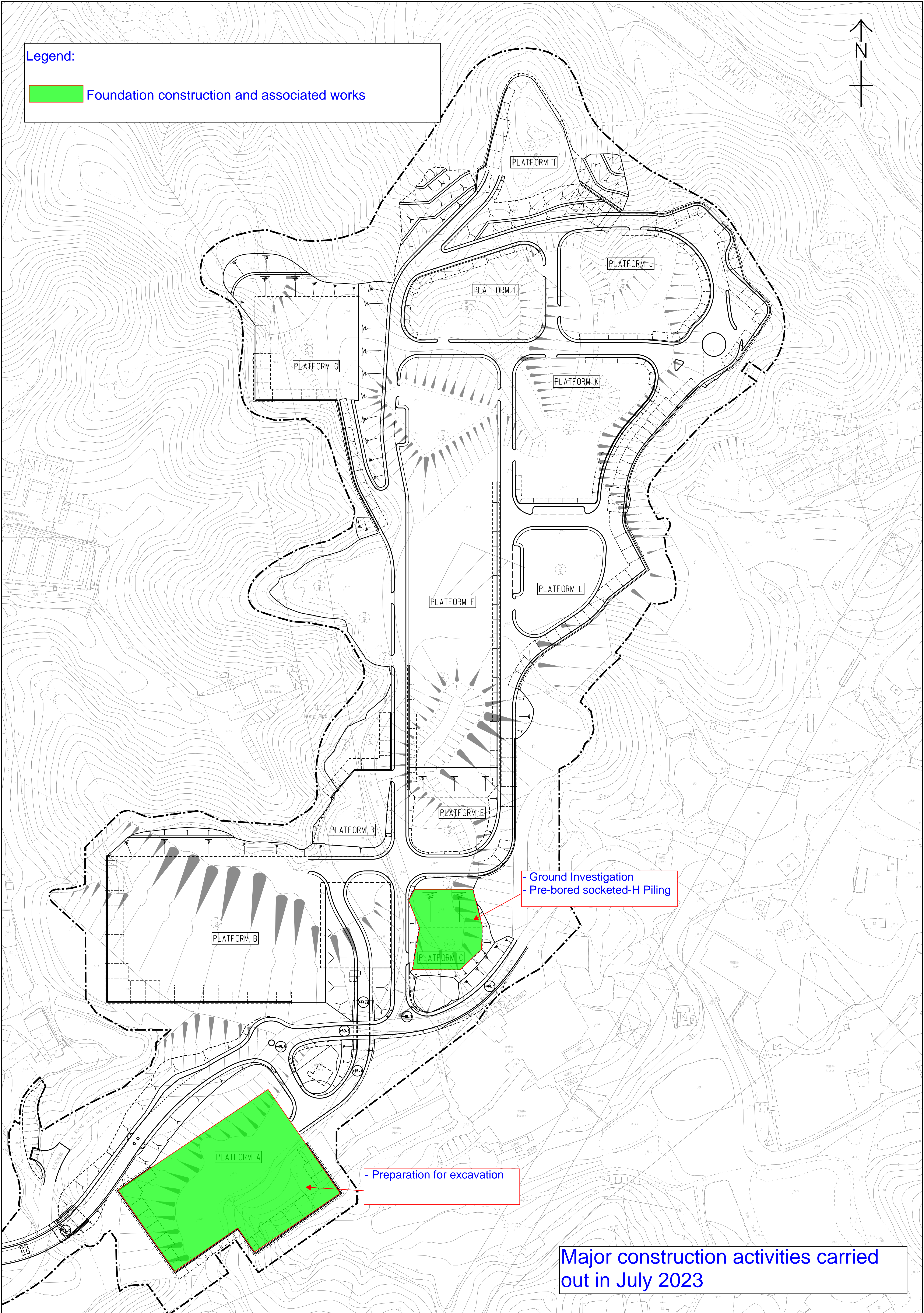
- Open cut excavation
- Soil removal
- Construction of footings
- U.U. Lead in and Pipe Duct Connection

Major construction activities carried out in period of Aug~Oct 2023

Legend:



Foundation construction and associated works



Major construction activities carried out in July 2023

Proactive Environmental Protection Proforma

Design and Construction of Kong Nga Po Police Training Facilities
Proactive Environmental Protection Proforma

Working Period: Aug to Oct 2023

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"> • 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 • Deploy water bowser for regular water spraying to enhance dust suppression • Manual water spraying for dusty operation where inaccessible by water bowser • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site • Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
EIA 4.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> • Regular inspection and maintenance of plant & equipment in good condition

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

7.5.1.2; EM&A Log 6.2				<p>chemical handling procedures</p> <ul style="list-style-type: none"> • Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling • Surplus inert C&D materials will be disposed of at designated Government's PFRF.
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> • 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 • Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> • Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> • Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Restrict construction area to minimize the impact on existing retained trees
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"> • 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

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

				<ul style="list-style-type: none"> • Provide wastewater treatment facilities prior to discharge of wastewater • Regular inspection and maintenance of wastewater treatment facilities • 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.
EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2			Waste Generation	<ul style="list-style-type: none"> • Training of site personnel in proper waste management and chemical handling procedures • Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling • Surplus inert C&D materials will be disposed of at designated Government's PFRF.
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> • 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 • Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> • Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative

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


EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> 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. Designated location for residual concrete washout Provide wastewater treatment facilities prior to discharge of wastewater
EIA 7.5.1.4; EM&A Log			Chemical Waste	<ul style="list-style-type: none"> Drip tray and chemical spillage kit shall be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> Provide training to frontline workers for the conservative species Provision of protective fence for the conservative species Regular inspection for concerned vegetation and conservative species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts
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"> Regular inspection and maintenance of plant and equipment in good condition Regularly clean up stockpiles and debris to avoid

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

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

**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"> • Deploy water bowser for regular water spraying to enhance dust suppression • Manual water spraying for dust suppression • Regular inspection and maintenance of plant and equipment in good condition • Cover dusty materials with impervious sheets • Provide wheel washing facility at site entrance 	 <p>By main contractor at KNP site</p>



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By subcontractor at KNP site







By main contractor at KNP site

					 <p>15.07.2023</p> <p>By main contractor at KNP site</p>
<p>EIA 4.4.6; EM&A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> • Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Provide noise insulating mat for certain powered mechanical equipment. • Valid construction noise permit should be 	 <p>20.07.2023</p> <p>By main contractor at KNP site</p>

				<p>displayed at site entrance.</p>	 <p>20.07.2023</p> <p>By subcontractor at KNP site</p>  <p>20.07.2023</p> <p>By main contractor at KNP site</p>
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<p>EIA 9.7.1 and EM&A Log 8.3</p>			<p>Ecology Concern</p>	<ul style="list-style-type: none"> • Provide training to workers about the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species 	 <p>By subcontractor at KNP site</p>  <p>By subcontractor at KNP site</p>
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<p>EIA 3.9.1; EM&A Log 2.2</p>	<p>Pre-bored Socketed-H Piling</p>	<p>Kong Nga Po Site</p>	<p>Air</p>	<ul style="list-style-type: none"> • Cover dusty materials with impervious sheets • Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system. 	 <p>By main contractor at KNP site</p>  <p>By main contractor at KNP site</p>
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<p>EIA 4.4.6; EM&A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> • Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor or generator. 	 <p>By main contractor at KNP site</p>
<p>EIA 5.6.1.2 and EM&A Log 4.2</p>			<p>Water Quality</p>	<ul style="list-style-type: none"> • Cover exposed slopes with impervious sheets. • Wastewater pumped out of the excavation areas shall be treated to remove suspended solid prior to discharge. • Provide desilting/ sedimentation devices for wastewater 	 <p>By main contractor at KNP site</p>


treatment prior to
discharge



By main contractor at KNP site



By main contractor at KNP site

EIA 5.6.1.3 and EM&A Log 4.2			Water Quality	<ul style="list-style-type: none">• Provide drip tray to prevent spillage of fuels.	 <p>By main contractor at KNP site</p>
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