

APPENDIX A
CONSTRUCTION PROGRAMME AND
PROACTIVE ENVIRONMENTAL
PROTECTION PROFORMA

Construction Programme (Jul – Sep 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 | | | | | | |

中國建築聯營
CHINA STATE JOINT VENTURE

| | | | | |
|---------------|--------------------|-----------------------|----------------|--------------------|
| 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 | |

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 | | | | | |



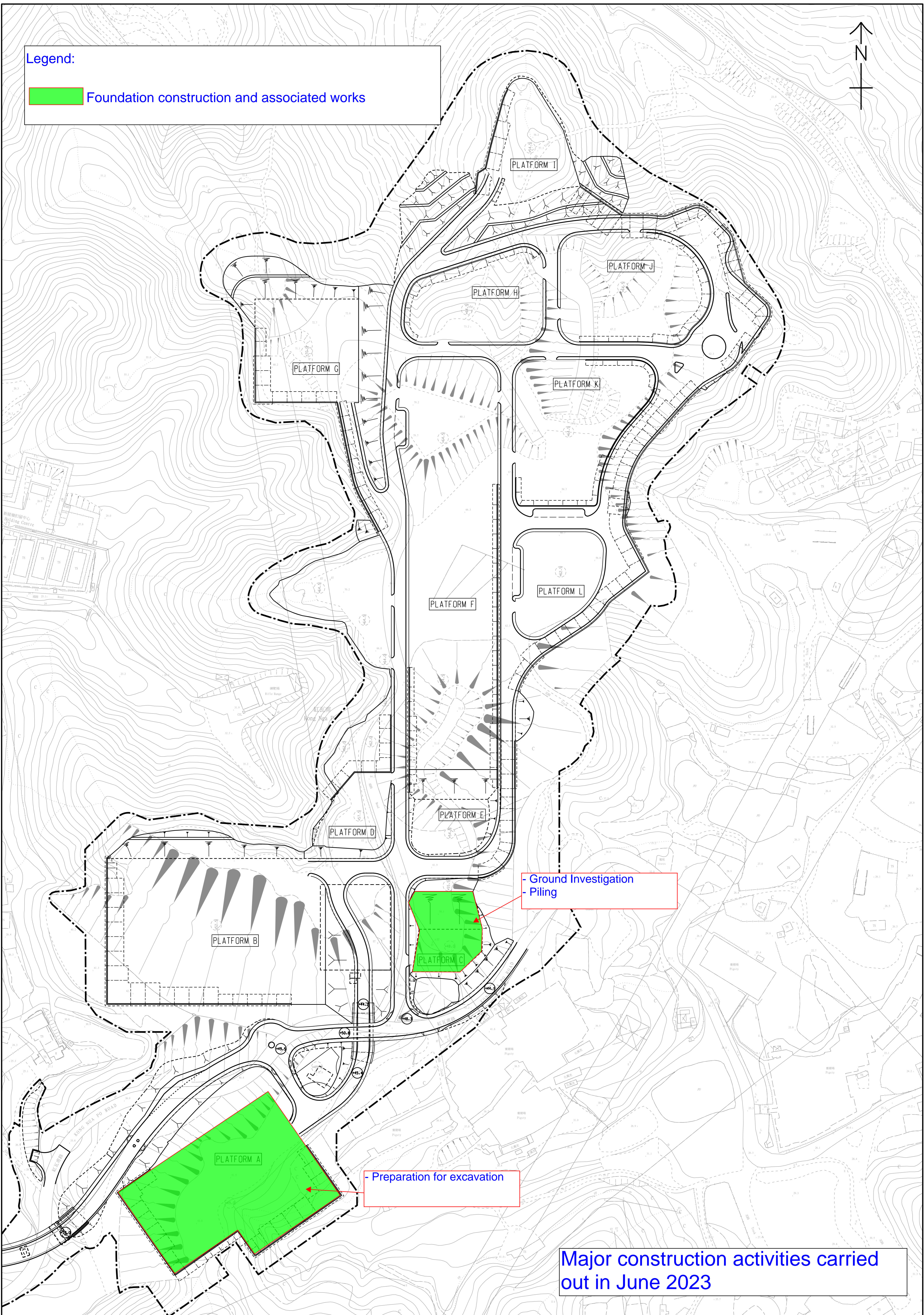
| | | | | | | | | | |
|---------------|--|--------------------|--|-----------------------|--|----------------|--|--------------------|--|
| Task | | Summary | | Manual Task | | Manual Summary | | External Tasks | |
| Critical Task | | Inactive Milestone | | Duration-only | | Start-only | | External Milestone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

Layout Plan with major construction activities

Legend:



Foundation construction and associated works



- Ground Investigation
- Piling

- Preparation for excavation

Major construction activities carried out in June 2023

Legend:

- Setting-up of site office
- 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

- Open cut excavation
- Soil removal
- Construction of footings

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

- Setting-up of site office

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

Major construction activities carried out in period of Jul~Sep 2023

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"> • 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 |

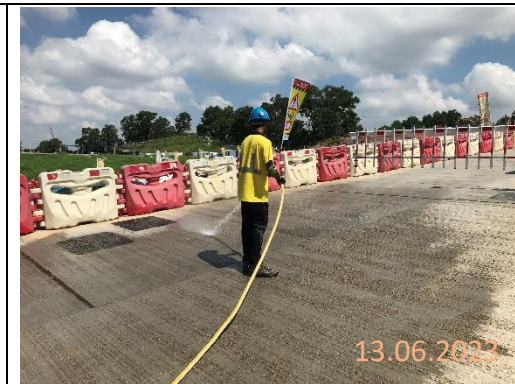
| | | | | |
|------------------------------------|--|--|--------------------------------|---|
| | | | | immediately prior to any loading transfer operation |
| EIA 7.5.1.4; EM&A Log 6.2 | | | Chemical Waste | <ul style="list-style-type: none"> Drip tray and chemical spillage kit shall be provided on 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 | Ground Investigation | 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 |  <p>By main contractor at KNP site</p> |

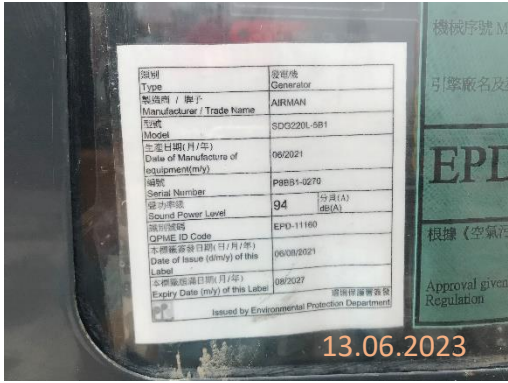

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|







By main contractor at KNP site





By main contractor at KNP site

| | | | | | |
|--|--|--|--------------|--|--|
| <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 Valid construction noise permit should be displayed at site entrance. |  <p>By main contractor at KNP site</p>  <p>By main contractor at KNP site</p> |
|--|--|--|--------------|--|--|

| | | | | | |
|---------------------------------------|--|--|------------------------|--|---|
| <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 main contractor at KNP site</p>  <p>By sub-contractor at KNP site</p> |
|---------------------------------------|--|--|------------------------|--|---|

| | | | | | |
|--|--|-------------------------|------------|--|--|
| <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 • Cover exposed slopes with impervious sheets • |  <p>By main contractor at KNP site</p>  <p>By main contractor at KNP site</p> |
|--|--|-------------------------|------------|--|--|

| | | | | | |
|--|--|--|--|---|---|
| | | | | |  <p data-bbox="1563 639 1962 671">By main contractor at KNP site</p> |
| <p data-bbox="203 687 387 815">EIA 4.4.6; EM&A Log 3.2</p> | | | <p data-bbox="898 687 972 719">Noise</p> | <ul data-bbox="1151 687 1541 1251" style="list-style-type: none"> <li data-bbox="1151 687 1541 863">• Regular inspection and maintenance of plant & equipment in good condition <li data-bbox="1151 879 1541 1007">• Deploy Quality Powered Mechanical Equipment (QPME) if possible <li data-bbox="1151 1023 1541 1251">• Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor or generator. |  <p data-bbox="1563 1219 1944 1251">By sub contractor at KNP site</p> |

| | | | | | |
|---|--|--|----------------------|--|--|
| | | | | |  <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 treatment prior to discharge |  <p>By main contractor at KNP site</p> |


| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|



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> |
|------------------------------------|--|--|---------------|---|---|