

The Hong Kong Jockey
Club

**Main Arena of the 2008
Olympic Equestrian
Event**

Quarterly EM&A
Summary Report -
August to October 2006

The Hong Kong Jockey
Club

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Olympic Equestrian
Event**

Quarterly EM&A
Summary Report -
August to October 2006

November 2006

Ove Arup & Partners Hong Kong Ltd

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Job number 24469



**INDEPENDENT ENVIRONMENTAL CHECKER
CHECK CERTIFICATE**

**Independent Environmental Checker for
Main Arena of the 2008 Olympic Equestrian Event
Quarterly EM&A Summary Report – August to October 2006 (Final)**

We confirm having used reasonable skill and care in the preparation of the Quarterly EM&A Summary Report and we certify that we can verify the report.

Signed:





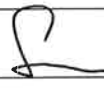
Independent Environmental Checker
H. J. Cochrane
Director and IEC

Date:

17/11/06

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Executive Summary

This is the first quarterly environmental monitoring and audit (EM&A) report presenting the progress of environmental monitoring and audit works for the period between August and October 2006, including noise monitoring and landscape and visual audit. Noise was measured in terms of $L_{eq(30min)}$ with L_{10} and L_{90} measurements for reference. Environmental audit works included the weekly environmental audit and the bi-weekly landscape & visual monitoring and audit.

Noise measurements were conducted at three locations during the reporting period. The highest noise level of 68.0dB(A) was recorded at the roof of Racecourse Villa (NM2) on 7 September 2006 while the lowest noise level of 56.6dB(A) was recorded at the podium outside Block 1 of Ravana Garden (NM3) on 24 August 2006.

There was no exceedance of noise A/L Level recorded during the reporting period.

A total of 6 landscape and visual monitoring and audits had been carried out in the reporting period by a Registered Landscape Architect (RLA). The RLA had the following observations:

- The Contractor is required to implement measures for better tree protection; and
- More frequent watering especially for newly transplanted trees is recommended in the coming dry season

A total of 0.12 tonnes of Construction & Demolition (C&D) waste and 17.2 tonnes of C&D materials were disposed of at Landfill and Public Fill Area respectively during the reporting period. No chemical waste was disposed of during the reporting period.

One environmental complaint was received during the reporting period.

No exceedance of noise monitoring action/limit levels was recorded during the reporting period.

No notification of summon and prosecution was received during the reporting period.

One Construction Noise Permit was granted during the reporting period.

1 Introduction

1.1 Project Background

Having considered the advantage of established international equine import and export protocols as well as the supporting facilities already in place, the International Olympic Committee (IOC) has accepted the Beijing Organising Committee for the Games of the 29th Olympiad (BOCOG)'s proposal of staging the 2008 Olympic and Paralympic Equestrian Events in Hong Kong.

Given the very tight schedule of the project, Hong Kong Sports Institute (HKSI) in Shatin will be temporarily converted into the core competition venues for the Olympic Equestrian Event. Facilities to be provided on the core venues include:

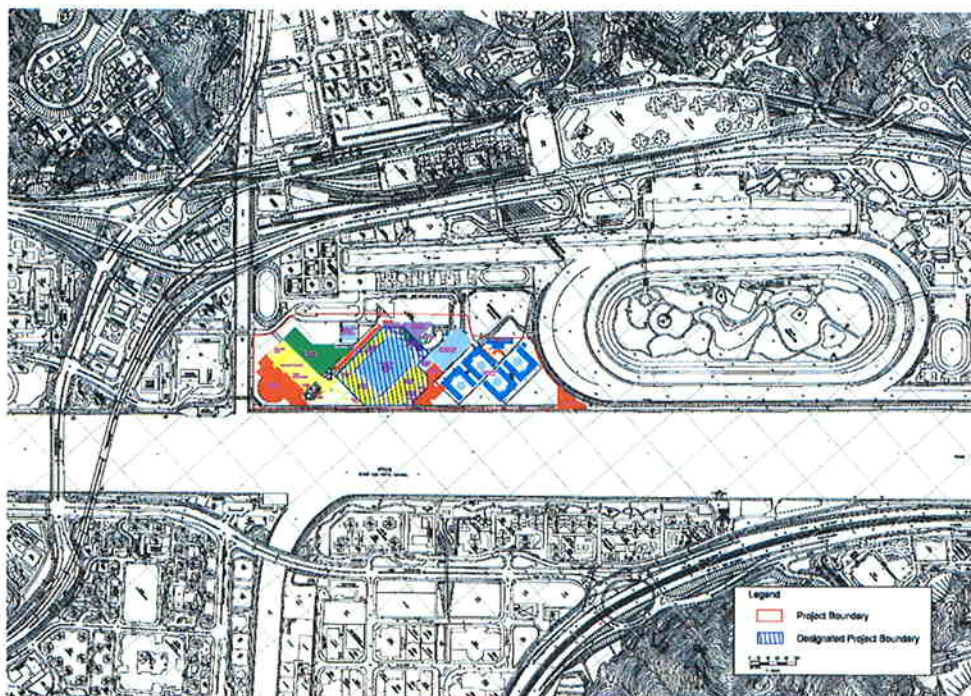
- Main Competition Arena for 20,000 spectators
- Stable Complex
- Training Arenas
- Logistic Compound
- Spectator Entry & Broadcast Compound
- Food & Merchandise

The venues will be in operation for approximately one month during the Olympic event, with the competition expected to last from between 10 to 14 days. 14 days after the Olympic Events, the Paralympic competition will be staged, which will last for a few days.

One year before the 2008 Olympic Event, the site will be occupied for the Test Event, which is used by all divisions of the Olympic Organising Committee to test their organisational capabilities for the Games and Event Management to trail the equine facilities and the footing (riding surface) of the Main Arena, Stables and Training Facilities. These mock up events are known as the 'Test Event Mode', and limited public access will be given.

Figure 1-1 shows the site location plan of the project.

Figure 1-1: Location plan of the project



The implementation of the Project is scheduled from July 2006 to December 2008. Table 1-1 gives the tentative project timetable and phasing.

Table 1-1: Timetable and phasing for the Project

| Task | Start | Finish |
|------------------------------|-------------------------|---------------|
| Pre- Test Event Construction | July 2006 | June 2007 |
| Test Event | August 2007 (2 weeks) | |
| Post Test Event Construction | September 2007 | June 2008 |
| Olympic Event | August 2008 (2 weeks) | |
| Paralympic Event | September 2008 (1 week) | |
| Reinstatement of HKSI | October 2008 | December 2008 |

The Main Arena of the 2008 Olympic Equestrian Event is classified as a Designated Project (DP) under item O7, Part 1, Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) – an outdoor sporting facility with a capacity to accommodate more than 10,000 persons.

In accordance with the requirements of Section 5(1) of the EIAO, a project profile (No. PP-266/2005) was submitted to Environmental Protection Department (EPD) for the application of an EIA Study Brief on 17 October 2005. Pursuant to Section 5(7)(a) of the EIAO, EPD issued to The Hong Kong Jockey Club (HKJC) a study brief (ref: EIA Study Brief No: ESB-136/2005 dated 7 November 2005) to carry out an EIA study.

The EIA Report for the Project (EIA-118/2005) was approved and an Environmental Permit (EP) (EP-236/2006) granted by EPD on 24th and 25th March 2006 respectively.

1.2 Project Organisation

The Project Proponent is the Hong Kong Jockey Club (HKJC); the Engineer's Representative (ER) is Ove Arup & Partners Hong Kong Ltd (Arup); the Contractor is China State Construction Engrg (HK) Ltd; the Independent Environmental Checker (IEC) is Meinhardt Infrastructure and Environment Ltd; the Environmental Team (ET) is Arup.

1.3 Scope of Impact EM&A

The impact environmental monitoring and audit for the Project included noise monitoring, landscape and visual audit, and environmental site audit.

1.4 Purpose of the Report

The purpose of this quarterly EM&A summary report is to provide information on monitoring methodology, monitoring results, environmental permit status, recommendations and conclusions of the EM&A of the project.

This is the first quarterly EM&A summary report prepared by Arup for the submission to the HKJC summarising the implementation of the EM&A programme from 27 July to 31 October 2006.

2 Scope of Construction Works

2.1 Construction Programme

The construction works was commenced on 15 August 2006. An up-to-date construction programme is attached in **Appendix A**.

2.2 Construction Activities of the Reporting Period

Major construction activities carried out by the Contractor between August and October 2006 include:

- Site clearance;
- Construction of site offices;
- Erection of site hoardings;
- Tree transplantation;
- Excavation;
- Drainage works;
- Construction of Main Stables; and
- Construction of retaining wall.

3 Summary of EM&A Requirements

3.1 Construction Noise

3.1.1 Monitoring Parameters

Construction noise is measured in terms of A-weighted equivalent continuous sound pressure level (L_{eq}). L_{10} and L_{90} were also recorded as supplementary reference information for data auditing.

3.1.2 Monitoring Frequency

Noise monitoring was performed on a weekly basis in accordance with the EM&A Manual. The monitoring time periods, parameters and frequency are summarised in Table 3-1.

Table 3-1: Construction noise monitoring parameters and frequency

| Time Period (when construction activity is found) | Parameters | Monitoring Frequency | No. of Measurements for Each Monitoring |
|--|--------------------------|----------------------|---|
| Between 0700-1900 hours on normal weekdays | $L_{eq(30\text{ min})}$ | Once per week | 1 |
| Between 1900-2300 hours on normal weekdays | $L_{eq(5\text{ min})}^*$ | | 3 (consecutive) |
| Between 2300-0700 hours of next day | | | |
| Between 0700-1900 hours on holidays | | | |

*The $L_{eq(5\text{ min})}$ will only be measured if construction activities are conducted in holidays and between the period of 1900 and 0700 hours during normal weekdays.

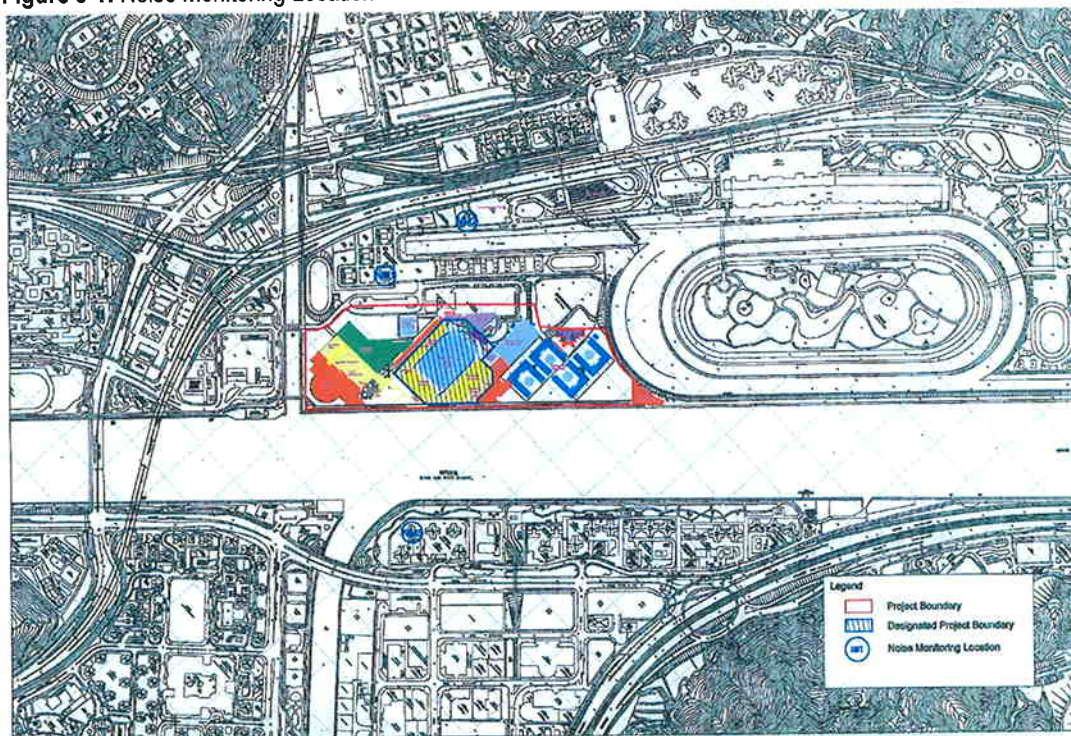
3.1.3 Monitoring Locations

A total of three locations were specified for the noise monitoring as shown in Table 3-2 and Figure 3-1. Measurements are conducted at a position 1.2m above ground and kept away from reflective surface.

Table 3-2: Construction noise monitoring locations

| Monitoring Station ID | Location | Monitoring Point |
|-----------------------|---|---|
| NM1 | Chung Cheung Court, HKJC Staff Quarters | On the roof, 1 meter from façade, facing the main works area |
| NM2 | Racecourse Villa | On the roof, 1meter from façade, facing the main works area |
| NM3 | Ravana Garden | On the podium outside Block 1, 1 meter from façade, facing the main works area. |

Figure 3-1: Noise Monitoring Location



3.2 Landscape and Visual

3.2.1 Audit Parameters

All landscape and visual mitigation measures implemented by both the Contractor Team (CT) and the Landscape Contractor during the construction phase and the first year of the operational phase will be audited by a landscape auditor, to ensure compliance with the intended aims of the mitigation measures.

3.2.2 Audit Frequency

The landscape and visual monitoring and audit will be undertaken once every two weeks throughout the construction, operation and reinstatement phases.

3.2.3 Audit Location

The landscape and visual monitoring and audit will be conducted throughout the entire site area.

3.3 Performance Limits and Event-Action Plans

The monitoring results will be checked against appropriate standards and requirements. A two-tier system performance limits have been established in the Project specific EM&A Manual. The "Action Level" and the "Limit Level" (A/L) are established according to the EPD requirements. The ET, ER, IEC, and CT will take corresponding action in accordance with the Event-Action Plans if the monitoring results exceed the performance limits.

3.3.1 Construction Noise

The A/L Levels for construction noise have been established in accordance with TM-EIAO as summarised in Table 3-3.

Table 3-3: Action and Limit Levels for construction noise

| Time Period | Action Level | Limit Level |
|---|---|-------------|
| 0700 – 1900 hours on any day not being a Sunday or public holiday | When one documented complaint is received | 75 dB(A) |

The action required to be taken by different parties in the case of occurrence of exceedance of A/L Levels are summarised in the Event and Action Plan in Table 3-4.

Table 3-4: Event and Action Plan for construction noise exceedance

| Event | Action | | | |
|---------------------|---|--|---|---|
| | ET Leader | IEC | ER | Contractor |
| Action Level | <ol style="list-style-type: none"> 1. Notify IEC, ER and the Contractor within 24 hours of identification of the exceedance. 2. Carry out investigation. 3. Report the results of investigation to IEC, ER and the Contractor. 4. Discuss with the Contractor and formulate remedial measures. 5. Increase monitoring frequency to check mitigation measures. | <ol style="list-style-type: none"> 1. Review with analysed results submitted by ET. 2. Review the proposed remedial measures by the Contractor and advise ER accordingly. 3. Supervise the implementation of remedial measures. | <ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. | <ol style="list-style-type: none"> 1. Submit noise mitigation proposals to ER and IEC. 2. Implement noise mitigation proposals. |
| Limit Level | <ol style="list-style-type: none"> 1. Identify the source. 2. Notify IEC, ER, EPD and the Contractor within 24 hours of identification of the exceedance. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency. 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. 6. Inform IEC, ER, and EPD the causes & actions taken for the exceedances. 7. Assess effectiveness of the Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 8. If exceedance stops, cease additional monitoring 9. Report the results of investigation to the IEC, EPD and ER. | <ol style="list-style-type: none"> 1. Discuss amongst ER, ET Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise ER accordingly. 3. Supervise the implementation of remedial measures. | <ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated. | <ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance. 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the ER until the exceedance is abated. |

3.4 Site Inspection and Environmental Complaint Handling

3.4.1 Site Inspection Frequency and Areas Covered

Regular site inspections will be carried out on a weekly basis. The areas of inspection cover the different environmental impacts, such as air quality, noise, water quality and waste, and their pollution controls and mitigation measures for both within and outside the site area. Site inspection for landscape and visual impact shall be carried out on a bi-weekly basis.

Ad hoc site inspection will be carried out if significant environmental non-compliance is identified. Inspections may also be carried out subsequent to receipt of any environmental complaints, or as part of the investigation work, as specified in the Event and Action Plans.

3.4.2 Site Inspection Procedures

- (a) The CT and/or ER will advise the Environmental Auditor (EA) of ET for all information on any environmental related aspects.
- (b) The EA will discuss with the CT and/or ER to forecast any potential environmental impact.
- (c) The EA will conduct a site walk with the CT and/or ER, particularly the areas with extensive construction works.
- (d) The EA will conduct inspection for the main environmental facilities and measures such as wheel washing facilities located at site exits, water spraying truck, temporary noise barrier, and internal noise-reducing measures of heavy equipment etc, to ensure that these environmental facilities operate normally and effectively.
- (e) The EA will fill up a site inspection checklist during the site inspection for recording any special observations.
- (f) The EA will conduct post-discussion with the CT and/or ER for the establishment of additional/special measures if any non-conformance is found. The completion date for such additional measures will be confirmed during the post-discussion.
- (g) The EA will propose a reasonable timeframe together with the CT and/or ER, for preparation of the proposal for remediation of environmental non-compliance.
- (h) The completed site inspection checklist will be signed by the EA, the CT and/or ER, for reference and for taking action in accordance with the agreed procedures, reporting systems and time frame.

3.4.3 Environmental Complaints

In accordance with the EM&A Manual, environmental complaints will be referred to the ET for initiation of the complaint investigation procedures. The ET will undertake the following procedures upon receipt of complaints:

- a) The ET will record the details of the complaint and the date of receipt into the complaint database, and inform ER immediately.
- b) The ET will perform complaint investigation to determine its validity and to assess whether the source of the problem is due to work activities.
- c) The ER will instruct the CT to identify mitigation measures in consultation with the ET, if the complaint is valid and due to works.
- d) The ET will liaise with the CT on their mitigation measure proposals and implementation, if required.
- e) The ET will conduct review of the CT's response on the identified mitigation measures, and of the updated situation.
- f) The ET will submit interim report to EPD if the complaint is received via EPD. The interim report will clearly state the status of the complaint investigation and the follow-up action within the time frame assigned by EPD.
- g) The ET will undertake additional monitoring and audit to verify the situation if necessary, and ensure that any valid reason for complaint does not recur.
- h) The ET will report on the investigation results and the subsequent actions to the source of complaint for responding to the complainant. If the source of complaint is via EPD, the results will be reported within the time frame assigned by EPD.
- i) The ET will record the details of the complaint, investigation, subsequent actions and results in the monthly EM&A report.

During the complaint investigation work undertaken by the ET, CT and ER should cooperate with the ET on providing all the necessary information and assistance for completion of the investigation. If mitigation measures are identified as necessary after the investigation, the CT should promptly carry out the required mitigation to the satisfaction of ET. The ER should ensure that the CT has carried out such identified measures.

3.5 Environmental Mitigation Measures

Environmental mitigation measures as recommended in the EIA report were stipulated in the EM&A Manual for the Contractor to adopt. A list of mitigation measures and their implementation status are given in **Appendix B**.

4 Noise Monitoring

4.1 Weather Conditions and Other Factors

No adverse weather conditions, in particular adverse wind speed & wind direction and fog & rain that may significantly affect or invalidate the collected noise monitoring data, were recorded during the reporting period.

Neither unusual operation of the construction site nor abnormal noise source was observed during the reporting period.

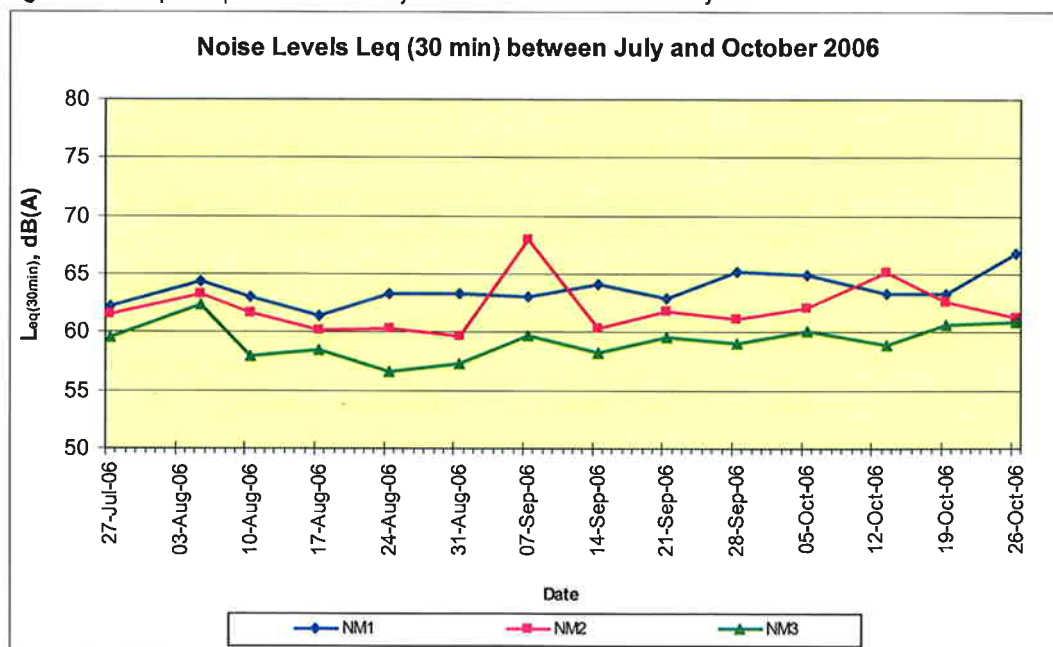
4.2 Summary of Results

A total of 14 sets of daytime (0700 – 1900 hours) noise monitoring was conducted during the reporting period.

The highest noise level of 68.0dB(A) was recorded at the roof of Racecourse Villa (NM2) on 7 September 2006 while the lowest noise level of 56.6dB(A) was recorded at the podium outside Block 1 of Ravana Garden (NM3) on 24 August 2006. There was no exceedance of noise A/L Levels recorded during the reporting period.

Graphical presentation of the noise levels at each monitoring location is illustrated in Figure 5-1.

Figure 5-1: Graphical presentation of day-time noise levels between July and October 2006



5 Landscape and Visual Monitoring and Audit

A total of 6 landscape and visual monitoring and audits had been carried out in the reporting period by a Registered Landscape Architect (RLA). The RLA has recommended the following:

- The Contractor is required to implement measures for better tree protection; and
- More frequent watering especially for newly transplanted trees is recommended in the coming dry season.

6 Quarterly Summary of Waste Disposal, Environmental Complaints, Environmental Licenses and Non-compliance Records

6.1 Waste Disposal

Disposal of waste material during the reporting period generally complied with the corresponding waste disposal requirements. The waste disposal quantity during the reporting period is summarised in Table 6-1.

Table 6-1: Waste disposal quantity between August and October 2006

| Type of waste or material | | Disposal at | No. of loads or quantities |
|---------------------------|----------------|---------------------------------|----------------------------|
| C&D waste | | SENT Landfill | 0.12 tonnes |
| C&D material | | Public Filling Area in TKO 137 | 17.2 tonnes |
| Chemical waste | Spent lube oil | Collected by licensed collector | 0 L |

6.2 Complaint Record

One environmental complaint on discharge of muddy water was referred by EPD on 28 August 2006. The Contractor replied to EPD on 30 August 2006. EPD was satisfied with the current site drainage system after conducting a site inspection on 1 September 2006. No rectification was required and the case was closed. However, contractor had carried out the following measures to prevent any further discharge of muddy water from the subject site areas:

- Keep closely checking on the performance of the wastewater treatment system;
- Closely monitoring of the discharge outlet at Shing Mun River and tracing of the source origin immediately if muddy water was observed;
- Made use of the shallow ground areas on site to temporary trap stormwater inside the site to prevent any direct discharge;
- Construction of temporary drainage channel and use of water pump to properly divert the trapped stormwater to the temporary sump pit;
- Control pumping of all muddy water collected from the sump pit to the wastewater treatment plant within its treatment capacity before discharging.

A log record on the environmental complaint is given in **Appendix C**.

6.3 Summary of Exceedance

There were no exceedances for noise monitoring during the reporting period.

6.4 Notification of Summons and Successful Prosecution

No notification of summon and prosecution was received during the reporting period.

6.5 Environmental Licenses

One new Construction Noise Permit (CNP) was granted in the reporting period. A summary of the valid environmental licenses is given in Table 6-2.

Table 6-2: Summary of valid environmental licenses

| Type of Licence | Reference No. | Valid from | Valid to | Remarks |
|---------------------------------|------------------------|------------------|--------------|-----------------------------------|
| Environmental Permit | EP-236/2006 | 25 March 2006 | -- | - |
| Construction Noise Permit | GW-RN0433-06 | 4 September 2006 | 3 March 2007 | General Earth Works in HKSI Area. |
| Registration of Waste Producer | WPN: 5213-753-C3317-11 | 1 Nov 2006 | -- | - |
| Site Effluent Discharge Licence | Licence No: 3448 | 1 Nov 2006 | 30 Nov 2011 | - |

6.6 Contacts and Hotline

Contractor: China State Construction Engrg (HK) Ltd

Contact Person: Michael Tsang

Contact Number: 9277 4956

7 Comments, Recommendations and Conclusion

7.1 Comments and Recommendations

Construction activities have been carried out in accordance with the EIA Report and EP requirements. Mitigation measures being implemented on site were effective in general. Upon advised by the ET, remedial measures had been taken to mitigate the environmental impacts caused by the construction activities. The environmental performance of the Contractor during the reporting period was in general satisfactory. According to the environmental site inspections performed during the reporting period, the following recommendations were provided:

- Mosquito control measures were reminded, preferably drying/levelling of the ponding area;
- Water should be sprayed regularly on unpaved areas;
- Sand/silt at wheel washing facility should be cleared regularly; and
- Proper classification and disposal of waste was required;

The monitoring work in the first four months of the project is proving effective and the monitoring data confirmed that the works complied with the corresponding environmental standards.

The environmental monitoring methodologies and procedures were regularly reviewed by the ET. No modification to the existing EM&A programme was recommended.

7.2 Conclusion

Construction phase impact monitoring and audit was conducted in the reporting period. Monitoring and audit programme included construction noise monitoring, landscape and visual monitoring and audit, and weekly site inspection.

Daytime noise levels were monitored at 3 monitoring locations during the reporting period. No exceedance of Limit Level was recorded.

Weekly site inspections were conducted in the reporting period. Some mitigation measures were still being set up. Remedial measures were advised for those deficiencies observed for the Contractor to follow up.

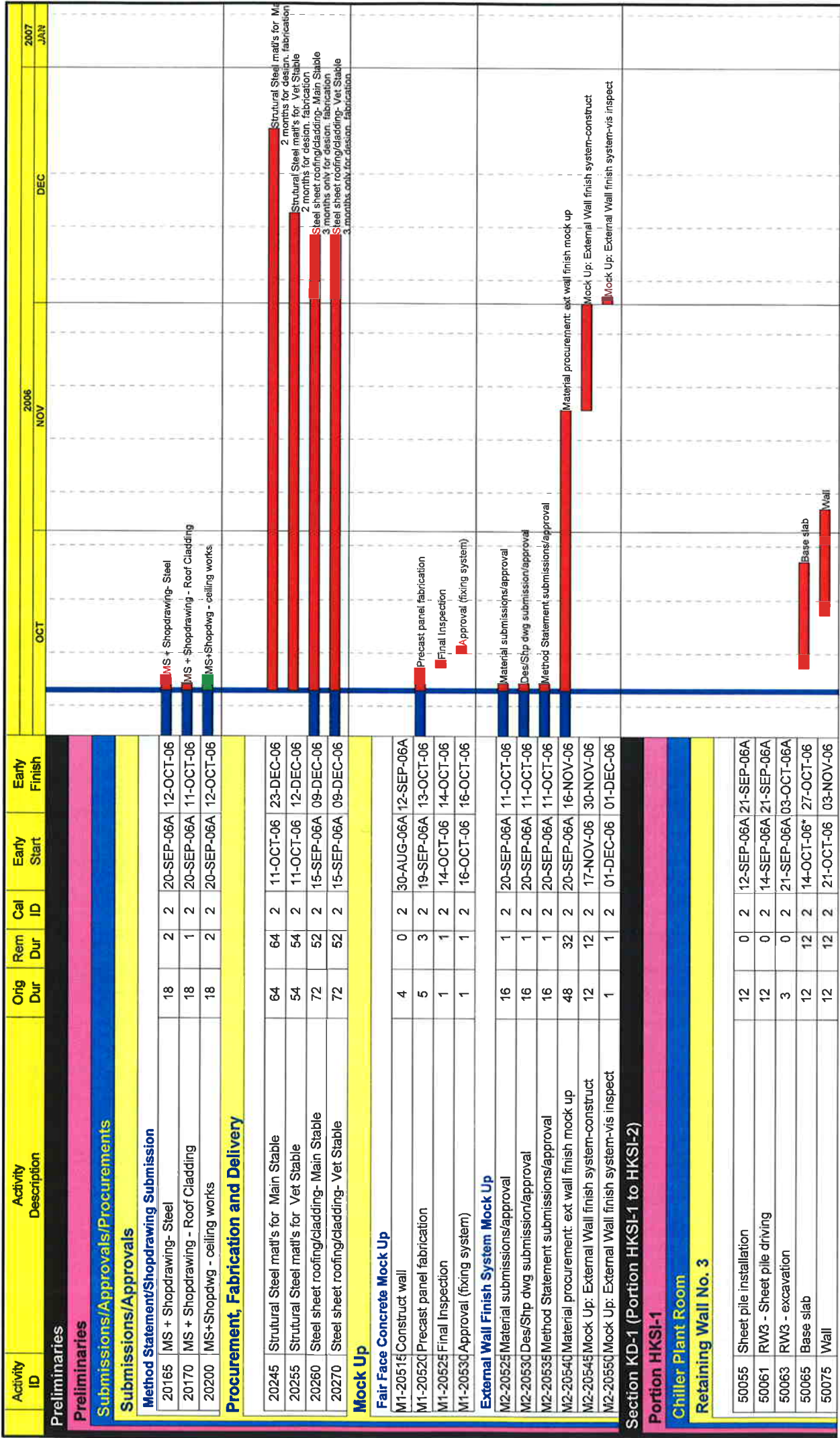
One Construction Noise Permit was obtained in the reporting period.

One environmental complaint was received during the reporting period.

There was neither notification of summons nor prosecution received during the reporting period.

Appendix A

**Construction
Programme**



China State Const. Eng. (H.K.) Ltd. Sheet 1 of 19
Core Venue Main Construction Contract
(Package CV-2B & CV-2C)
FL-71 Three Months Rolling Programme
20 Sept 2006 to 20 Dec 2006

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling Program
 Layout Name: Three Months Rolling Program
 © Primavera Systems, Inc.

Current Bar
 Progress Bar
 Critical Activity

Prepared by: William C
 Revision
 Extracted from Master Programme
 Version A,
 Activities for coming 3 months

Date
 11-OCT-06

Checked
 T Lo/T Wong

Approved
 D Lau

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | |
|---|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|-----|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | DEC |
| 50085 | Drainage and backfill | 6 | 6 | 2 | 04-NOV-06 | 10-NOV-06 | | | | | | |
| 50095 | Extract sheet pile | 6 | 6 | 2 | 11-NOV-06 | 17-NOV-06 | | | | | | |
| Foundation and Superstructure Works | | | | | | | | | | | | |
| 50115 | Footings / Base slab | 10 | 10 | 2 | 04-NOV-06 | 15-NOV-06 | | | | | | |
| 50125 | RC Walls and Water Tanks | 12 | 12 | 2 | 16-NOV-06 | 29-NOV-06 | | | | | | |
| 50135 | Roof deck | 12 | 12 | 2 | 29-NOV-06 | 12-DEC-06 | | | | | | |
| 50140 | Structural steel works | 12 | 12 | 2 | 30-NOV-06 | 13-DEC-06 | | | | | | |
| Finishes | | | | | | | | | | | | |
| 50145 | Chiller Plant - internal finishes | 12 | 12 | 2 | 14-DEC-06 | 28-DEC-06 | | | | | | |
| 50155 | Chiller Plant- doors and windows | 12 | 12 | 2 | 29-DEC-06 | 12-JAN-07 | | | | | | |
| M&E Services | | | | | | | | | | | | |
| 50128 | Chiller Plant -M&E Access | 0 | 0 | 2 | 06-JAN-07* | | | | | | | |
| 50130 | Chiller Plant - M&E Installation | 48 | 48 | 2 | 06-JAN-07 | 09-MAR-07 | | | | | | |
| Veterinary Stables | | | | | | | | | | | | |
| Foundation and Superstructure Works | | | | | | | | | | | | |
| Plant Rooms @ Grd Level, Grid A-H/1-5 | | | | | | | | | | | | |
| VS-190 | Excavation to storm drain | 2 | 0 | 2 | 20-SEP-06A | 21-SEP-06A | | | | | | |
| VS-195 | DN 100 storm drain laying + Manholes | 6 | 0 | 2 | 22-SEP-06A | 03-OCT-06A | | | | | | |
| VS-200 | Tie beam /footing/+ CLP cable trench | 10 | 0 | 2 | 25-AUG-06A | 26-SEP-06A | | | | | | |
| VS-205 | Backfill/subbase, Grid E-H | 4 | 4 | 2 | 11-OCT-06 | 14-OCT-06 | | | | | | |
| VS-210 | Grade slab, + 6.7, Grid E-H | 6 | 6 | 2 | 16-OCT-06 | 21-OCT-06 | | | | | | |
| VS-215 | FS Tank (G/F, +6.7 to +9.5) | 18 | 10 | 2 | 27-SEP-06A | 21-OCT-06 | | | | | | |
| VS-215A | Wall (G/F, +6.7 to +9.5) | 18 | 18 | 2 | 11-OCT-06 | 31-OCT-06 | | | | | | |
| VS-217 | Internal concrete partition walls | 18 | 10 | 2 | 27-SEP-06A | 21-OCT-06 | | | | | | |
| VS-220 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 01-NOV-06 | 14-NOV-06 | | | | | | |
| VS-225 | Steel Upper Roof + 13.39 | 11 | 11 | 2 | 15-NOV-06 | 27-NOV-06 | | | | | | |
| VS-230 | Steel sheet roofing/cladding, +12.6->+13.3 | 12 | 12 | 2 | 28-NOV-06 | 11-DEC-06 | | | | | | |
| VS-235 | Ceiling installation | 12 | 12 | 2 | 12-DEC-06 | 26-DEC-06 | | | | | | |
| VS-240 | Handover (Tx Rm, LVSR Rm) to ABWF | 0 | 0 | 2 | | 11-DEC-06 | | | | | | |
| VS-245 | Cast Remaining Wall Opening(after eqpt delivery) | 6 | 6 | 2 | 28-DEC-06 | 04-JAN-07 | | | | | | |
| Grd Level, H-J/1-10 & 1/F Plant Room | | | | | | | | | | | | |
| VS-265 | Tie beam /footing/upstand wall | 0 | 0 | 2 | 01-SEP-06A | 15-SEP-06A | | | | | | |
| VS-270 | Install underground foul drains/FS pipe/plumbing | 6 | 1 | 2 | 20-SEP-06A | 11-OCT-06 | | | | | | |
| VS-275 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 12-OCT-06 | 12-OCT-06 | | | | | | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling i
 Layout Name: Three Months Rolling Proa
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China State Const. Eng. (H.K.) Ltd. Sheet 2 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

Current Bar █
 Progress Bar █
 Critical Activity █

Prepared by William C
 Date: 11-OCT-06
 Revision: Extracted from Master Programme
 Version A.
 Activities for coming 3 months

Checked: Approved
 T LoT Wong D Lau

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | |
|---|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|-----|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | DEC |
| Grid Level, H-L/J1-10 & 1/F Plant Room | | | | | | | | | | | | |
| VS-280 | Backfill/Subbase/Grade slab, + 6.695 | 12 | 6 | 2 | 25-SEP-06A | 17-OCT-06 | | | | | | |
| VS-285 | Steel Cols+6.696 to +11.7 (canopy area) | 12 | 12 | 2 | 27-OCT-06* | 09-NOV-06 | | | | | | |
| VS-290 | Steel beams + 11.7 | 10 | 10 | 2 | 10-NOV-06 | 21-NOV-06 | | | | | | |
| VS-295 | Steel sheet roofing/cladding, +11.7 | 12 | 12 | 2 | 22-NOV-06 | 05-DEC-06 | | | | | | |
| VS-300 | Ceiling installation G/F | 12 | 12 | 2 | 06-DEC-06 | 19-DEC-06 | | | | | | |
| VS-305 | Handover to ABWF | 0 | 0 | 2 | | 05-DEC-06 | | | | | | |
| VS-310 | Wall (G/F to 1/F, 11.125) | 10 | 10 | 2 | 18-OCT-06 | 28-OCT-06 | | | | | | |
| VS-315 | Slab 1/F | 6 | 6 | 2 | 30-OCT-06 | 04-NOV-06 | | | | | | |
| VS-320 | Wall 1/F to +13.9 | 8 | 8 | 2 | 06-NOV-06 | 14-NOV-06 | | | | | | |
| VS-325 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 22-NOV-06 | 05-DEC-06 | | | | | | |
| VS-330 | Steel sheet roofing/cladding, +17.4 | 12 | 12 | 2 | 06-DEC-06 | 19-DEC-06 | | | | | | |
| VS-335 | Ceiling installation 1/F | 12 | 12 | 2 | 20-DEC-06 | 04-JAN-07 | | | | | | |
| VS-340 | Handover 1F Plant Rm to ABWF | 0 | 0 | 2 | | 19-DEC-06 | | | | | | |
| Other Areas, Grnd Level, Grid L-U/J1-5 | | | | | | | | | | | | |
| VS-355 | Excavation to storm drain | 2 | 0 | 2 | 20-SEP-06A | 21-SEP-06A | | | | | | |
| VS-370 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 22-SEP-06A | 03-OCT-06A | | | | | | |
| VS-375 | Tie beam /footing/upstand wall | 10 | 0 | 2 | 01-SEP-06A | 15-SEP-06A | | | | | | |
| VS-380 | Install underground four drains/FS pipe/plumbing | 6 | 1 | 2 | 20-SEP-06A | 11-OCT-06 | | | | | | |
| VS-385 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 12-OCT-06 | 12-OCT-06 | | | | | | |
| VS-390 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 13-OCT-06 | 19-OCT-06 | | | | | | |
| VS-395 | Wall (G/F, +6.695 to +9.5) | 12 | 12 | 2 | 20-OCT-06 | 02-NOV-06 | | | | | | |
| VS-400 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 03-NOV-06 | 16-NOV-06 | | | | | | |
| VS-405 | Steel Upper Roof + 13.39 | 12 | 12 | 2 | 17-NOV-06 | 30-NOV-06 | | | | | | |
| VS-410 | Steel sheet roofing/cladding, +12.6->+13.3 | 12 | 12 | 2 | 06-DEC-06* | 19-DEC-06 | | | | | | |
| VS-415 | Ceiling installation | 12 | 12 | 2 | 20-DEC-06 | 04-JAN-07 | | | | | | |
| VS-420 | Handover to ABWF | 0 | 0 | 2 | | 19-DEC-06 | | | | | | |
| Entrance Gate/Building | | | | | | | | | | | | |
| VS-425 | Excavation/substructure works | 12 | 12 | 2 | 04-NOV-06* | 17-NOV-06 | | | | | | |
| VS-430 | Ground slab + RC Wall | 12 | 12 | 2 | 18-NOV-06 | 01-DEC-06 | | | | | | |
| VS-435 | Structural steel works | 12 | 12 | 2 | 02-DEC-06 | 15-DEC-06 | | | | | | |
| VS-440 | Steel sheet roofing/cladding | 6 | 6 | 2 | 16-DEC-06 | 22-DEC-06 | | | | | | |
| VS-445 | Ceiling installation | 6 | 6 | 2 | 23-DEC-06 | 30-DEC-06 | | | | | | |
| VS-450 | Handover to ABWF | 0 | 0 | 2 | | 30-DEC-06 | | | | | | |
| Finishes | | | | | | | | | | | | |
| ABWF Works | | | | | | | | | | | | |
| VS-020 | Aluminum Louvres & Roller Shutters | 21 | 21 | 2 | 26-DEC-06* | 19-JAN-07 | | | | | | |
| VS-025 | Horse Stalls (supply by NSC) | 21 | 21 | 2 | 26-DEC-06* | 19-JAN-07 | | | | | | |

| | | | | | | | |
|------|--|------|--|------|--|------|--|
| OCT | | NOV | | DEC | | JAN | |
| 2006 | | 2006 | | 2006 | | 2007 | |
| OCT | | NOV | | DEC | | JAN | |
| 2006 | | 2006 | | 2006 | | 2007 | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling Program
 Layout Name: Three Months Rolling Program
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China State Const. Eng. (H.K.) Ltd. Sheet 3 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

Prepared by William C
 Revision
 Extracted from Master Programme
 Version A
 Activities for coming 3 months

Date: 11-OCT-06
 Checked: T LoT Wong
 Approved: D Lau

Current Bar
 Progress Bar
 Critical Activity

Aluminum Louvres & Roller Shutters
 Horse Stalls (supply by NSC)

Excavation/substructure works
 Ground slab + RC Wall
 Structural steel works
 Steel sheet roofing/cladding
 Ceiling installation
 Handover to ABWF

Steel Cols+6.696 to +11.7 (canopy area)
 Steel beams + 11.7
 Steel sheet roofing/cladding, +11.7
 Ceiling installation G/F
 Handover to ABWF
 Wall (G/F to 1/F, 11.125)
 Slab 1/F
 Wall 1/F to +13.9
 Steel cols, braces, beams to Roof +17.48
 Steel sheet roofing/cladding, +17.4
 Ceiling installation 1/F
 Handover 1F Plant Rm to ABWF

Backfill/Subbase/Grade slab, + 6.695
 WVO Inspection of FS/plumbing pipes
 Backfill/Subbase/Grade slab, + 6.695
 Wall (G/F, +6.695 to +9.5)
 Steel Truss + lower roof +12.674
 Steel Upper Roof + 13.39
 Steel sheet roofing/cladding, +12.6->+13.3
 Ceiling installation
 Handover to ABWF

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | |
|---|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|--|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | JAN |
| ABWF Works | | | | | | | | | | | | |
| VS-030 | Wall Partitions, Boxes and Cabinets | 14 | 14 | 2 | 04-JAN-07 | 19-JAN-07 | | | | | | Wall Partitions, Boxes and Cabinets |
| VS-035 | Wall Finishes & Claddings | 30 | 30 | 2 | 22-DEC-06* | 27-JAN-07 | | | | | | Wall Finishes & Claddings |
| M&E Services | | | | | | | | | | | | |
| ABWF & M&E Works in LV Switch Room | | | | | | | | | | | | |
| VS-505 | Plastering + quarry tiles | 12 | 12 | 2 | 12-DEC-06* | 26-DEC-06 | | | | | | Plastering + quarry tiles |
| VS-510 | Metal louvers +6.75->+9.5(blanketed off) | 6 | 6 | 2 | 12-DEC-06* | 18-DEC-06 | | | | | | Metal louvers +6.75->+9.5(blanketed off) |
| VS-515 | Aluminum louvers +9.5->+10.35(blanketed off) | 6 | 6 | 2 | 19-DEC-06 | 26-DEC-06 | | | | | | Aluminum louvers +9.5->+10.35(blanketed off) |
| VS-520 | Aluminum louvers +11.79->+12.5 (blanketed off) | 6 | 6 | 2 | 27-DEC-06 | 03-JAN-07 | | | | | | Aluminum louvers +11.79->+12.5 (blanketed off) |
| VS-525 | Metal doors MD1, MD8, MD6 | 12 | 12 | 2 | 12-DEC-06* | 26-DEC-06 | | | | | | Metal doors MD1, MD8, MD6 |
| VS-535 | Painting works (floor, wall, ceiling) | 6 | 6 | 2 | 04-JAN-07 | 10-JAN-07 | | | | | | Painting works (floor, wall, ceiling) |
| ABWF & M&E Works in Tx Room | | | | | | | | | | | | |
| VS-075 | M&E Access: Tx Rm | 0 | 0 | 2 | 13-DEC-06* | | | | | | | M&E Access: Tx Rm |
| VS-115 | M&E Installation at Tx Room | 18 | 18 | 2 | 13-DEC-06 | 04-JAN-07 | | | | | | M&E Installation at Tx Room |
| VS-455 | Plastering + quarry tiles | 12 | 12 | 2 | 12-DEC-06* | 26-DEC-06 | | | | | | Plastering + quarry tiles |
| VS-460 | Metal louvers +6.75->+9.5(blanketed off) | 6 | 6 | 2 | 12-DEC-06* | 18-DEC-06 | | | | | | Metal louvers +6.75->+9.5(blanketed off) |
| VS-465 | Aluminum louvers +9.5->+10.35(blanketed off) | 3 | 3 | 2 | 19-DEC-06 | 21-DEC-06 | | | | | | Aluminum louvers +9.5->+10.35(blanketed off) |
| VS-470 | Aluminum louvers +11.79->+12.5 (blanketed off) | 3 | 3 | 2 | 22-DEC-06 | 26-DEC-06 | | | | | | Aluminum louvers +11.79->+12.5 (blanketed off) |
| VS-475 | Metal doors MD1, MD8, MD6 | 12 | 12 | 2 | 12-DEC-06* | 26-DEC-06 | | | | | | Metal doors MD1, MD8, MD6 |
| VS-480 | Cable trench metal covers | 3 | 3 | 2 | 02-JAN-07 | 04-JAN-07 | | | | | | Cable trench metal covers |
| VS-485 | Painting works (floor, wall, ceiling) | 4 | 4 | 2 | 27-DEC-06 | 30-DEC-06 | | | | | | Painting works (floor, wall, ceiling) |
| VS-500 | ABWF/M&E Works @ Tx Rm complete | 0 | 0 | 2 | | 04-JAN-07 | | | | | | ABWF/M&E Works @ Tx Rm complete |
| CLP Transformer Rm, at Vet Stable | | | | | | | | | | | | |
| VS-120 | Handover Tx Room to CLP | 0 | 0 | 2 | | 04-JAN-07 | | | | | | Handover Tx Room to CLP |
| VS-125 | CLP Installation | 48 | 48 | 2 | 05-JAN-07 | 08-MAR-07 | | | | | | CLP Installation |
| M&E Access Dates | | | | | | | | | | | | |
| VS-090 | M&E Access: Grd Lvl, H-L/1-10 | 0 | 0 | 2 | 20-DEC-06* | | | | | | | M&E Access: Grd Lvl, H-L/1-10 |
| VS-095 | M&E Access: 1/F Plant Rm | 0 | 0 | 2 | 08-JAN-07* | | | | | | | M&E Access: 1/F Plant Rm |
| VS-100 | M&E Access: Ground Level, L-U/1-5 | 0 | 0 | 2 | 05-JAN-07* | | | | | | | M&E Access: Ground Level, L-U/1-5 |
| VS-105 | M&E Access: Entrance Gate | 0 | 0 | 2 | 02-JAN-07* | | | | | | | M&E Access: Entrance Gate |
| M&E Installation | | | | | | | | | | | | |
| VS-110 | 2nd Fix Plumbing and Drainage Installation | 61 | 61 | 2 | 22-DEC-06 | 12-MAR-07 | | | | | | 2nd Fix Plumbing and Drainage Installation |
| VS-135 | 2nd Fix Fire Services Installation | 61 | 61 | 2 | 22-DEC-06 | 12-MAR-07 | | | | | | 2nd Fix Fire Services Installation |
| VS-140 | 2nd Fix HVAC Installation | 61 | 61 | 2 | 22-DEC-06 | 12-MAR-07 | | | | | | 2nd Fix HVAC Installation |
| VS-145 | 2nd Fix Electrical Installation | 61 | 61 | 2 | 22-DEC-06 | 12-MAR-07 | | | | | | 2nd Fix Electrical Installation |
| VS-150 | Building Management System | 61 | 61 | 2 | 22-DEC-06 | 12-MAR-07 | | | | | | Building Management System |

| | | | | | | | |
|--|-----------|---------------------------------|-----------|--------------------------------|---------|-------------|----------|
| OCT | | NOV 2006 | | DEC | | JAN 2007 | |
| <p>China State Const. Eng. (H.K.) Ltd. Sheet 4 of 19</p> <p>Core Venue Main Construction Contract</p> <p>FL-71 Three Months Rolling Programme</p> <p>20 Sept 2006 to 20 Dec 2006</p> | | | | | | | |
| Date | 11-OCT-06 | Extracted from Master Programme | Version A | Activities for coming 3 months | Checked | T Lo/T Wong | Approved |
| Revision | | | | | | | D Lau |
| Prepared by | William C | | | | | | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling
 Layout Name: Three Months Rolling Program
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Current Bar
 Progress Bar
 Critical Activity

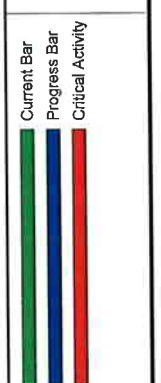
| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | 2007 | |
|--|--|----------|---------|--------|-------------|--------------|------|-----|------|-----|
| | | | | | | | OCT | NOV | DEC | JAN |
| Main Stable Block No. 1 | | | | | | | | | | |
| Foundation and Superstructure Works | | | | | | | | | | |
| Wing 1: Grid A-R/13-16 | | | | | | | | | | |
| MB1-130 | Excavation to drains | 2 | 0 | 2 | 31-AUG-06A | 14-SEP-06A | | | | |
| MB1-135 | Excavation to manholes | 2 | 0 | 2 | 31-AUG-06A | 14-SEP-06A | | | | |
| MB1-140 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 05-SEP-06A | 14-SEP-06A | | | | |
| MB1-145 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 15-SEP-06A | 20-SEP-06A | | | | |
| MB1-150 | Tie beam /footing/upstand wall | 10 | 6 | 2 | 18-SEP-06A | 17-OCT-06 | | | | |
| MB1-155 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 18-OCT-06 | 24-OCT-06 | | | | |
| MB1-160 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 25-OCT-06 | 25-OCT-06 | | | | |
| MB1-165 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 26-OCT-06 | 01-NOV-06 | | | | |
| MB1-170 | Wall (G/F, +6.695 to +9.5) | 12 | 12 | 2 | 02-NOV-06 | 15-NOV-06 | | | | |
| MB1-175 | Steel Truss + lower roof +12.674 | 10 | 10 | 2 | 16-NOV-06 | 27-NOV-06 | | | | |
| MB1-180 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 28-NOV-06 | 08-DEC-06 | | | | |
| MB1-185 | Steel sheet roofing/cladding | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | | | | |
| MB1-190 | Ceiling installation G/F | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | | | |
| MB1-195 | Handover to ABWF, Grid A-R/13-16 | 0 | 0 | 2 | | 22-DEC-06 | | | | |
| MB1-200 | Wall (G/F to 1/F, 11.125) | 18 | 18 | 2 | 02-NOV-06 | 22-NOV-06 | | | | |
| MB1-205 | Slab 1/F | 6 | 6 | 2 | 23-NOV-06 | 29-NOV-06 | | | | |
| MB1-210 | Wall 1/F to +13.85 | 8 | 8 | 2 | 30-NOV-06 | 08-DEC-06 | | | | |
| MB1-215 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | | | | |
| MB1-220 | Steel sheet roofing/cladding | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | | | |
| MB1-225 | Ceiling installation, 1/F | 12 | 12 | 2 | 09-JAN-07 | 22-JAN-07 | | | | |
| MB1-230 | Handover 1F Plant Rm to ABWF | 0 | 0 | 2 | | 08-JAN-07 | | | | |
| Wing 2: Grid A-R/1-4 | | | | | | | | | | |
| MB1-245 | Excavation to drains | 2 | 0 | 2 | 31-AUG-06A | 14-SEP-06A | | | | |
| MB1-250 | Excavation manholes | 2 | 0 | 2 | 31-AUG-06A | 14-SEP-06A | | | | |
| MB1-255 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 05-SEP-06A | 14-SEP-06A | | | | |
| MB1-260 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 15-SEP-06A | 20-SEP-06A | | | | |
| MB1-265 | Tie beam /footing/upstand wall | 10 | 6 | 2 | 20-SEP-06A | 17-OCT-06 | | | | |
| MB1-270 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 18-OCT-06 | 24-OCT-06 | | | | |
| MB1-275 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 25-OCT-06 | 25-OCT-06 | | | | |
| MB1-280 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 26-OCT-06 | 01-NOV-06 | | | | |
| MB1-285 | Wall (G/F, +6.695 to +9.5) | 12 | 12 | 2 | 02-NOV-06 | 15-NOV-06 | | | | |
| MB1-290 | Steel Truss + lower roof +12.674 | 10 | 10 | 2 | 16-NOV-06 | 27-NOV-06 | | | | |
| MB1-295 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 28-NOV-06 | 08-DEC-06 | | | | |
| MB1-300 | Steel sheet roofing/cladding | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | | | | |
| MB1-305 | Ceiling installation G/F | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | | | |

| OCT | | NOV | | DEC | | JAN | |
|---|--|------------------------------|--|---|--|---------------------------------------|--|
| 2006 | | 2006 | | 2007 | | 2007 | |
| <p>China State Const. Eng. (H.K.) Ltd. Sheet 5 of 19</p> <p>Core Venue Main Construction Contract</p> <p>(Package CV-2B & CV-2C)</p> <p>FL-71 Three Months Rolling Programme</p> <p>20 Sept 2006 to 20 Dec 2006</p> | | | | | | | |
| <p>File Name: W13A</p> <p>Start Date: 11-OCT-06</p> <p>Finish Date: 27-JUN-07</p> <p>Filter Name: FL-71 Three Months Rolling Program</p> <p>Layout Name: Three Months Rolling Program</p> <p>© Primavera Systems, Inc.</p> | | | | <p>Prepared by: William C</p> <p>Revision</p> <p>Checked: T LoT Wong</p> <p>Approved: D Lau</p> | | | |
| <p>Current Bar</p> <p>Progress Bar</p> <p>Critical Activity</p> | | <p>Date</p> <p>11-OCT-06</p> | | <p>Extracted from Master Programme</p> <p>Version A</p> | | <p>Activities for coming 3 months</p> | |

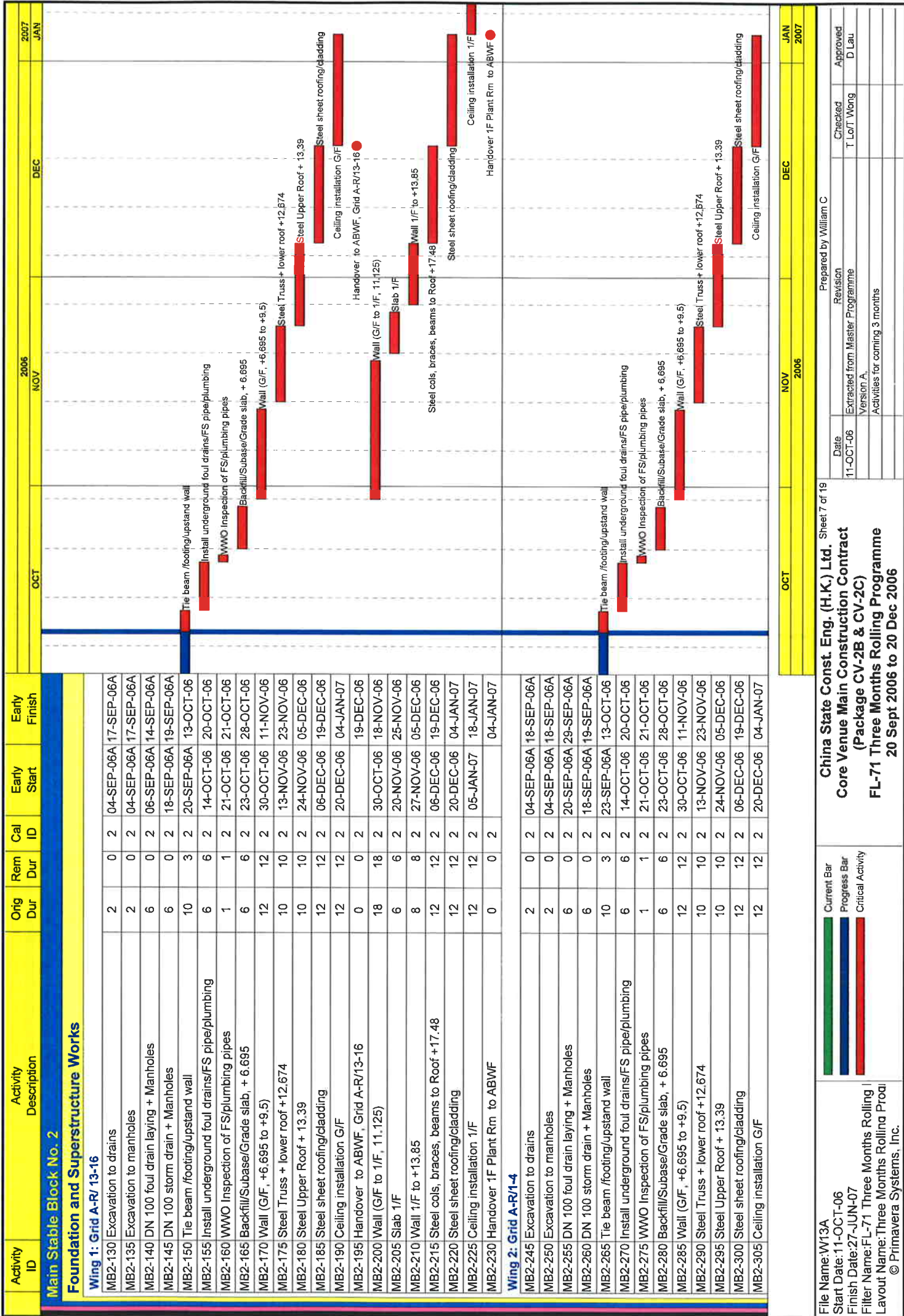
| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2005 NOV | 2006 OCT | 2007 DEC | 2007 JAN |
|--|--|----------|---------|--------|-------------|--------------|----------|--|---|--|
| Wing 2: Grid A-R/1-4 | | | | | | | | | | |
| MB1-310 | Handover to ABWF, Grid A-R/1-4 | 0 | 0 | 2 | | 22-DEC-06 | | | Handover to ABWF, Grid A-R/1-4 | |
| MB1-315 | Wall (G/F to 1/F, 11,125) | 18 | 18 | 2 | 02-NOV-06 | 22-NOV-06 | | Wall (G/F to 1/F, 11,125) | | |
| MB1-320 | Slab 1/F | 6 | 6 | 2 | 23-NOV-06 | 29-NOV-06 | | Slab 1/F | | |
| MB1-325 | Wall 1/F to +13.85 | 8 | 8 | 2 | 30-NOV-06 | 08-DEC-06 | | Wall 1/F to +13.85 | | |
| MB1-330 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | | Steel cols, braces, beams to Roof +17.48 | | |
| MB1-335 | Steel sheet roofing/cladding | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | Steel sheet roofing/cladding | | Ceiling installation 1/F |
| MB1-340 | Ceiling installation 1/F | 12 | 12 | 2 | 09-JAN-07 | 22-JAN-07 | | | | Handover 1F Plant Rm to ABWF |
| MB1-345 | Handover 1F Plant Rm to ABWF | 0 | 0 | 2 | | 08-JAN-07 | | | | |
| MB1-350 | Cast Remaining Wall Opening (after AHU delivery) | 6 | 6 | 2 | 09-JAN-07 | 15-JAN-07 | | | | Cast Remaining Wall Opening (after AHU delivery) |
| Center: Ground Level, Grid A-E/5-12 | | | | | | | | | | |
| MB1-360 | Excavation to drains | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A | | | | |
| MB1-365 | Excavation to manholes | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A | | | | |
| MB1-370 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A | | | | |
| MB1-375 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A | | | | |
| MB1-380 | Tie beam /footing/upstand wall | 10 | 6 | 2 | 06-OCT-06A | 17-OCT-06 | | Tie beam /footing/upstand wall | | |
| MB1-385 | RC works to wash bay/sand roll | 8 | 8 | 2 | 18-OCT-06 | 26-OCT-06 | | RC works to wash bay/sand roll | | |
| MB1-390 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 18-OCT-06 | 24-OCT-06 | | Install underground foul drains/FS pipe/plumbing | | |
| MB1-395 | WMO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 25-OCT-06 | 25-OCT-06 | | WMO Inspection of FS/plumbing pipes | | |
| MB1-400 | Steel columns, +6.695 to +10.2 | 6 | 6 | 2 | 20-OCT-06 | 26-OCT-06 | | Steel columns, +6.695 to +10.2 | | |
| MB1-405 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 27-OCT-06 | 02-NOV-06 | | Backfill/Subbase/Grade slab, + 6.695 | | |
| MB1-410 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 03-NOV-06 | 16-NOV-06 | | Steel Truss + lower roof +12.674 | | |
| MB1-415 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 17-NOV-06 | 28-NOV-06 | | Steel Upper Roof + 13.39 | | Blockwork partitions |
| MB1-417 | Blockwork partitions | 22 | 22 | 2 | 29-NOV-06 | 23-DEC-06 | | | | Steel sheet roofing/cladding |
| MB1-420 | Steel sheet roofing/cladding | 9 | 9 | 2 | 09-JAN-07 | 18-JAN-07 | | | | Wall Finishes & Claddings |
| Finishes | | | | | | | | | | |
| ABWF Works | | | | | | | | | | |
| MB1-025 | Wall Finishes & Claddings | 30 | 30 | 2 | 09-JAN-07 | 19-FEB-07 | | | | |
| M&E Services | | | | | | | | | | |
| M&E Access Dates | | | | | | | | | | |
| MB1-435 | M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl | 0 | 0 | 2 | 09-JAN-07 | | | | M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl | |
| MB1-440 | M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl | 0 | 0 | 2 | 09-JAN-07 | | | | M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl | |
| M&E Installation | | | | | | | | | | |
| MB1-095 | 2nd Fix Plumbing and Drainage Installation | 61 | 61 | 2 | 09-JAN-07 | 27-MAR-07 | | | 2nd Fix Plumbing and Drainage Installation | |
| MB1-100 | 2nd Fix Fire Services Installation | 61 | 61 | 2 | 09-JAN-07 | 27-MAR-07 | | | 2nd Fix Fire Services Installation | |
| MB1-105 | 2nd Fix HVAC Installation | 61 | 61 | 2 | 09-JAN-07 | 27-MAR-07 | | | 2nd Fix HVAC Installation | |
| MB1-110 | 2nd Fix Electrical Installation | 61 | 61 | 2 | 09-JAN-07 | 27-MAR-07 | | | 2nd Fix Electrical Installation | |
| MB1-115 | Building Management System | 61 | 61 | 2 | 09-JAN-07 | 27-MAR-07 | | | Building Management System | |

| 2006 NOV | | 2006 DEC | | 2007 JAN | |
|--|--|-------------|----------|----------|--|
| China State Const. Eng. (H.K.) Ltd. | | | | | |
| Core Venue Main Construction Contract | | | | | |
| (Package CV-2B & CV-2C) | | | | | |
| FL-71 Three Months Rolling Programme | | | | | |
| 20 Sept 2006 to 20 Dec 2006 | | | | | |
| Date | Revision | Checked | Approved | | |
| 11-OCT-06 | Extracted from Master Programme Version A. | T Lo F Wong | D Lau | | |
| Activities for coming 3 months | | | | | |
| Prepared by William C | | | | | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling
 Layout Name: Three Months Rolling Proa
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Sheet 6 of 19
 China State Const. Eng. (H.K.) Ltd.
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006



File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling |
 Layout Name: Three Months Rolling Proal
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China State Const. Eng. (H.K.) Ltd. Sheet 7 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

| | | | | |
|-----------------------|-------------|---------------------------------|------------|--------------------------------|
| Date | 11-OCT-06 | Extracted from Master Programme | Version A. | Activities for coming 3 months |
| Revision | | | | |
| Checked | T Lo/T Wong | Approved | D Lau | |
| Prepared by William C | | | | |

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | OCT | NOV | DEC | 2007 |
|--|--|----------|---------|--------|-------------|--------------|-----|-----|-----|------|
| Wing 2: Grid A-R/1-4 | | | | | | | | | | |
| MB2-310 | Handover to ABWF, Grid A-R/1-4 | 0 | 0 | 2 | | 19-DEC-06 | | | | |
| MB2-315 | Wall (G/F to 1/F, 11.125) | 18 | 18 | 2 | 30-OCT-06 | 18-NOV-06 | | | | |
| MB2-320 | Slab 1/F | 6 | 6 | 2 | 20-NOV-06 | 25-NOV-06 | | | | |
| MB2-325 | Wall 1/F to +13.85 | 8 | 8 | 2 | 27-NOV-06 | 05-DEC-06 | | | | |
| MB2-330 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 06-DEC-06 | 19-DEC-06 | | | | |
| MB2-335 | Steel sheet roofing/cladding | 12 | 12 | 2 | 20-DEC-06 | 04-JAN-07 | | | | |
| MB2-340 | Ceiling installation 1/F | 12 | 12 | 2 | 05-JAN-07 | 18-JAN-07 | | | | |
| MB2-345 | Handover 1F Plant Rm to ABWF | 0 | 0 | 2 | | 04-JAN-07 | | | | |
| Center: Ground Level, Grid A-E/5-12 | | | | | | | | | | |
| MB2-360 | Excavation to drains | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A | | | | |
| MB2-365 | Excavation manholes | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A | | | | |
| MB2-370 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 19-SEP-06A | 28-SEP-06A | | | | |
| MB2-375 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 19-SEP-06A | 28-SEP-06A | | | | |
| MB2-380 | Tie beam /footing/upstand wall | 10 | 3 | 2 | 04-OCT-06A | 13-OCT-06 | | | | |
| MB2-385 | RC works to wash bay/sand roll | 8 | 8 | 2 | 14-OCT-06 | 23-OCT-06 | | | | |
| MB2-390 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 14-OCT-06 | 20-OCT-06 | | | | |
| MB2-395 | WMO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 21-OCT-06 | 21-OCT-06 | | | | |
| MB2-400 | Steel columns, +6.695 to+10.2 | 6 | 6 | 2 | 17-OCT-06 | 23-OCT-06 | | | | |
| MB2-405 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 24-OCT-06 | 30-OCT-06 | | | | |
| MB2-410 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 31-OCT-06 | 13-NOV-06 | | | | |
| MB2-415 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 14-NOV-06 | 24-NOV-06 | | | | |
| MB2-417 | Blockworks wall partitions | 22 | 22 | 2 | 25-NOV-06 | 20-DEC-06 | | | | |
| MB2-420 | Steel sheet roofing/cladding | 9 | 9 | 2 | 05-JAN-07 | 15-JAN-07 | | | | |
| Finishes | | | | | | | | | | |
| ABWF Works | | | | | | | | | | |
| MB2-025 | Wall Finishes & Claddings | 30 | 30 | 2 | 05-JAN-07 | 08-FEB-07 | | | | |
| M&E Services | | | | | | | | | | |
| M&E Access Dates | | | | | | | | | | |
| MB2-435 | M&E Access: Wing 1, Grid A-R/13-16, Grid Lvl | 0 | 0 | 2 | 05-JAN-07 | | | | | |
| MB2-440 | M&E Access: Wing 2, Grid A-R/1-4, Grid Lvl | 0 | 0 | 2 | 05-JAN-07 | | | | | |
| M&E Installation | | | | | | | | | | |
| MB2-095 | 2nd Fix Plumbing and Drainage Installation | 61 | 61 | 2 | 05-JAN-07 | 23-MAR-07 | | | | |
| MB2-100 | 2nd Fix Fire Services Installation | 61 | 61 | 2 | 05-JAN-07 | 23-MAR-07 | | | | |
| MB2-105 | 2nd Fix HVAC Installation | 61 | 61 | 2 | 05-JAN-07 | 23-MAR-07 | | | | |
| MB2-110 | 2nd Fix Electrical Installation | 61 | 61 | 2 | 05-JAN-07 | 23-MAR-07 | | | | |
| MB2-115 | Building Management System | 61 | 61 | 2 | 05-JAN-07 | 23-MAR-07 | | | | |

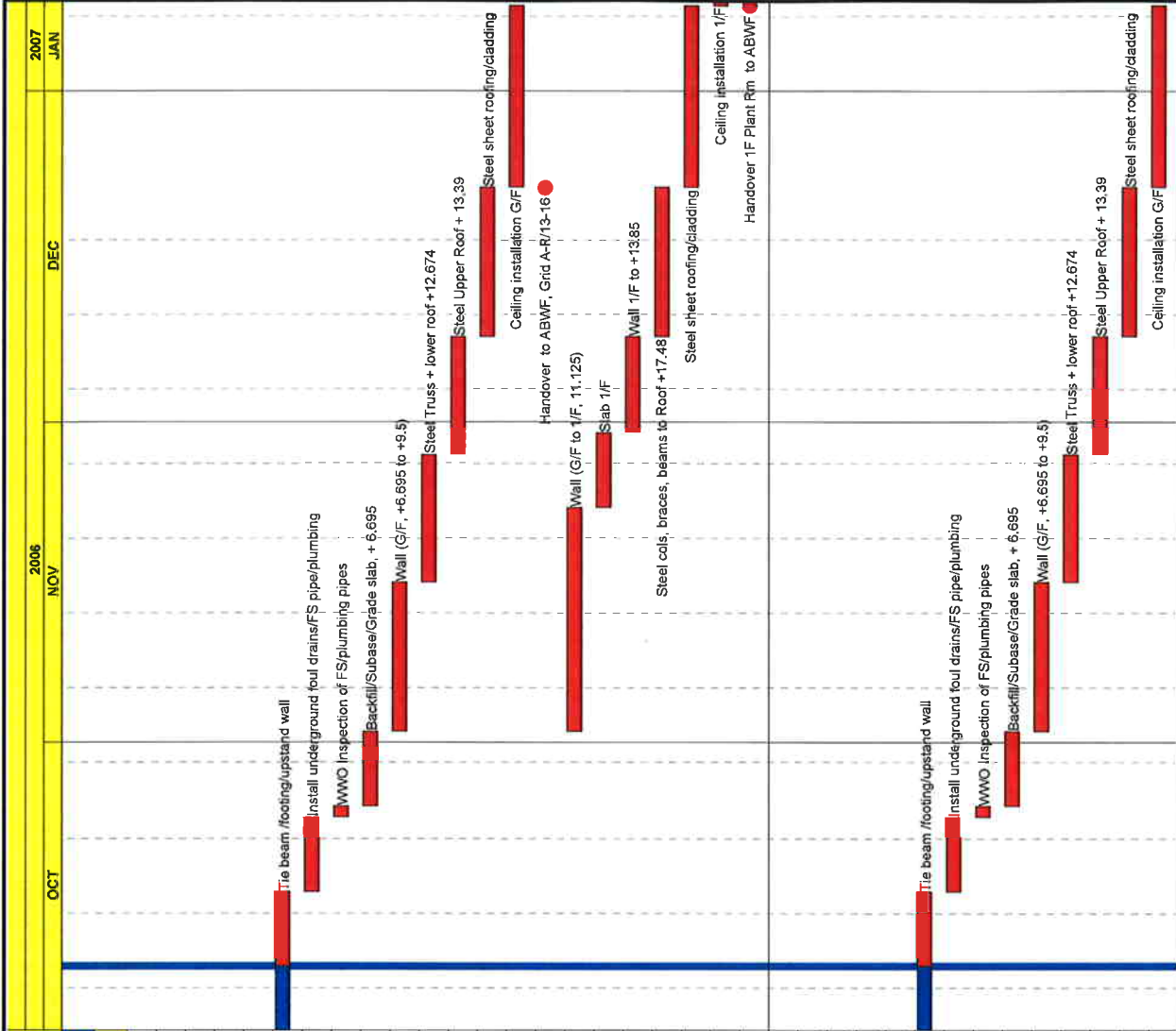
File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling
 Layout Name: Three Months Rolling Program
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China State Const. Eng. (H.K.) Ltd. Sheet 8 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

Current Bar █
 Progress Bar █
 Critical Activity █

Prepared by William C
 Date: 11-OCT-06
 Revision: Extracted from Master Programme
 Version A
 Activities for coming 3 months

Checked: T Loft Wong
 Approved: D Lau



Main Stable Block No. 3

Foundation and Superstructure Works

Wing 1: Grid A-R/ 13-16

Wing 2: Grid A-R/1-4

2006 NOV DEC 2007 JAN

Install underground foul drains/FS pipe/plumbing

WVO Inspection of FS/plumbing pipes

Backfill/Subbase/Grade slab, + 6.695

Wall (G/F, +6.695 to +9.5)

Steel Truss + lower roof +12.674

Steel Upper Roof + 13.39

Ceiling installation G/F

Handover to ABWF, Grid A-R/13-16

Slab 1/F

Wall 1/F to +13.85

Steel cols, braces, beams to Roof +17.48

Steel sheet roofing/cladding

Ceiling installation 1/F

Handover 1F Plant Rm to ABWF

Install underground foul drains/FS pipe/plumbing

WVO Inspection of FS/plumbing pipes

Backfill/Subbase/Grade slab, + 6.695

Wall (G/F, +6.695 to +9.5)

Steel Truss + lower roof +12.674

Steel Upper Roof + 13.39

Ceiling installation G/F

Prepared by William C

Revision

Extracted from Master Programme

Version A

Activities for coming 3 months

11-OCT-06

Date

Checked

Approved

T LoT Wong

D Lau

China State Const. Eng. (H.K.) Ltd.

Core Venue Main Construction Contract

(Package CV-2B & CV-2C)

FL-71 Three Months Rolling Programme

20 Sept 2006 to 20 Dec 2006

Sheet 9 of 19

Current Bar

Progress Bar

Critical Activity

File Name: W13A

Start Date: 11-OCT-06

Finish Date: 27-JUN-07

Filter Name: FL-71 Three Months Rolling

Layout Name: Three Months Rolling Proal

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| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 NOV | 2007 OCT | 2007 DEC | 2007 JAN |
|--|--|----------|---------|--------|-------------|--------------|--|----------|---|----------|
| Wing 2: Grid A-R/1-4 | | | | | | | | | | |
| MB3-310 | Handover to ABWF, Grid A-R/1-4 | 0 | 0 | 2 | 02-NOV-06 | 22-DEC-06 | | | | |
| MB3-315 | Wall (G/F to 1/F, 11.125) | 18 | 18 | 2 | 02-NOV-06 | 22-NOV-06 | Wall (G/F to 1/F, 11.125) | | | |
| MB3-320 | Slab 1/F | 6 | 6 | 2 | 23-NOV-06 | 29-NOV-06 | Slab 1/F | | | |
| MB3-325 | Wall 1/F to +13.85 | 8 | 8 | 2 | 30-NOV-06 | 08-DEC-06 | Wall 1/F to +13.85 | | | |
| MB3-330 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | Steel cols, braces, beams to Roof +17.48 | | | |
| MB3-335 | Steel sheet roofing/cladding | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | Steel sheet roofing/cladding | | | |
| MB3-340 | Ceiling installation 1/F | 12 | 12 | 2 | 09-JAN-07 | 22-JAN-07 | Ceiling installation 1/F | | | |
| MB3-345 | Handover 1/F Plant Rm to ABWF | 0 | 0 | 2 | 08-JAN-07 | 08-JAN-07 | Handover 1/F Plant Rm to ABWF | | | |
| Center: Ground Level, Grid A-E/5-12 | | | | | | | | | | |
| MB3-360 | Excavation drains | 2 | 0 | 2 | 02-SEP-06A | 19-SEP-06A | | | | |
| MB3-365 | Excavation to manholes | 2 | 0 | 2 | 02-SEP-06A | 19-SEP-06A | | | | |
| MB3-370 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A | | | | |
| MB3-375 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A | | | | |
| MB3-380 | Tie beam /footing/upstand wall | 10 | 10 | 2 | 14-OCT-06* | 25-OCT-06 | Tie beam /footing/upstand wall | | | |
| MB3-385 | RC works to wash bay/sand roll | 8 | 8 | 2 | 26-OCT-06 | 03-NOV-06 | RC works to wash bay/sand roll | | | |
| MB3-390 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 26-OCT-06 | 01-NOV-06 | Install underground foul drains/FS pipe/plumbing | | | |
| MB3-395 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 02-NOV-06 | 02-NOV-06 | WVO Inspection of FS/plumbing pipes | | | |
| MB3-400 | Steel columns, +6.695 to +10.2 | 6 | 6 | 2 | 28-OCT-06 | 03-NOV-06 | Steel columns, +6.695 to +10.2 | | | |
| MB3-405 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 04-NOV-06 | 10-NOV-06 | Backfill/Subbase/Grade slab, + 6.695 | | | |
| MB3-410 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 11-NOV-06 | 24-NOV-06 | Steel Truss + lower roof +12.674 | | | |
| MB3-415 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 25-NOV-06 | 06-DEC-06 | Steel Upper Roof + 13.39 | | | |
| MB3-417 | Block wall partitions | 22 | 22 | 2 | 07-DEC-06 | 03-JAN-07 | Block wall partitions | | | |
| MB3-420 | Steel sheet roofing/cladding | 9 | 9 | 2 | 09-JAN-07 | 18-JAN-07 | Steel sheet roofing/cladding | | | |
| Finishes | | | | | | | | | | |
| ABWF Works | | | | | | | | | | |
| MB3-025 | Wall Finishes & Claddings | 30 | 30 | 2 | 02-JAN-07 | 05-FEB-07 | | | Wall Finishes & Claddings | |
| M&E Services | | | | | | | | | | |
| M&E Access Dates | | | | | | | | | | |
| MB3-435 | M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl | 0 | 0 | 2 | 03-JAN-07 | | | | M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl | |
| MB3-440 | M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl | 0 | 0 | 2 | 03-JAN-07 | | | | M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl | |
| M&E Installation | | | | | | | | | | |
| MB3-095 | 2nd Fix Plumbing and Drainage Installation | 54 | 54 | 2 | 03-JAN-07 | 13-MAR-07 | | | 2nd Fix Plumbing and Drainage Installation | |
| MB3-100 | 2nd Fix Fire Services Installation | 54 | 54 | 2 | 03-JAN-07 | 13-MAR-07 | | | 2nd Fix Fire Services Installation | |
| MB3-105 | 2nd Fix HVAC Installation | 54 | 54 | 2 | 03-JAN-07 | 13-MAR-07 | | | 2nd Fix HVAC Installation | |
| MB3-110 | 2nd Fix Electrical Installation | 54 | 54 | 2 | 03-JAN-07 | 13-MAR-07 | | | 2nd Fix Electrical Installation | |
| MB3-115 | Building Management System | 54 | 54 | 2 | 03-JAN-07 | 13-MAR-07 | | | Building Management System | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling Prod
 Layout Name: Three Months Rolling Programme
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China State Const. Eng. (H.K.) Ltd. Sheet 10 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

Prepared by William C
 Date: 11-OCT-06
 Revision: Extracted from Master Programme
 Version: A
 Activities for coming 3 months

Checked: T LoT Wong
 Approved: D Lau

| | | | | | | |
|-------------|----------------------|----------|---------|--------|-------------|--------------|
| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish |
|-------------|----------------------|----------|---------|--------|-------------|--------------|

Main Stable Block No. 4

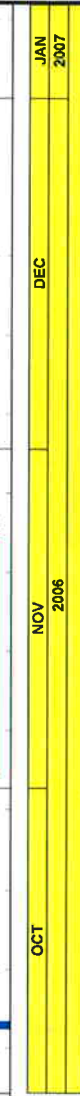
Foundation and Superstructure Works

Wing 1: Grid A-R/ 13-16

| | | | | | | |
|---------|--|----|----|---|------------|------------|
| MB4-130 | Excavation to drains | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A |
| MB4-135 | Excavation to manholes | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A |
| MB4-140 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 19-SEP-06A | 10-OCT-06A |
| MB4-145 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 19-SEP-06A | 10-OCT-06A |
| MB4-150 | Tie beam footing/upstand wall | 10 | 10 | 2 | 11-OCT-06 | 21-OCT-06 |
| MB4-155 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 23-OCT-06 | 28-OCT-06 |
| MB4-160 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 30-OCT-06 | 30-OCT-06 |
| MB4-165 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 31-OCT-06 | 06-NOV-06 |
| MB4-170 | Wall (G/F, +6.695 to +9.5) | 12 | 12 | 2 | 07-NOV-06 | 20-NOV-06 |
| MB4-175 | Steel Truss + lower roof +12.674 | 10 | 10 | 2 | 21-NOV-06 | 01-DEC-06 |
| MB4-180 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 02-DEC-06 | 13-DEC-06 |
| MB4-185 | Steel sheet roofing/cladding | 12 | 12 | 2 | 14-DEC-06 | 28-DEC-06 |
| MB4-190 | Ceiling installation G/F | 12 | 12 | 2 | 29-DEC-06 | 12-JAN-07 |
| MB4-195 | Handover to ABWF, Grid A-R/13-16 | 0 | 0 | 2 | | 28-DEC-06 |
| MB4-200 | Wall (G/F to 1/F, 11.125) | 18 | 18 | 2 | 07-NOV-06 | 27-NOV-06 |
| MB4-205 | Slab 1/F | 6 | 6 | 2 | 28-NOV-06 | 04-DEC-06 |
| MB4-210 | Wall 1/F to +13.85 | 8 | 8 | 2 | 05-DEC-06 | 13-DEC-06 |
| MB4-215 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 14-DEC-06 | 28-DEC-06 |
| MB4-220 | Steel sheet roofing/cladding | 12 | 12 | 2 | 29-DEC-06 | 12-JAN-07 |

Wing 2: Grid A-R/1-4

| | | | | | | |
|---------|--|----|----|---|------------|------------|
| MB4-245 | Excavation to drains | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A |
| MB4-250 | Excavation to manholes | 2 | 0 | 2 | 02-SEP-06A | 18-SEP-06A |
| MB4-255 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A |
| MB4-260 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 20-SEP-06A | 29-SEP-06A |
| MB4-265 | Tie beam footing/upstand wall | 10 | 6 | 2 | 29-SEP-06A | 17-OCT-06 |
| MB4-270 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 18-OCT-06 | 24-OCT-06 |
| MB4-275 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 25-OCT-06 | 25-OCT-06 |
| MB4-280 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 26-OCT-06 | 01-NOV-06 |
| MB4-285 | Wall (G/F, +6.695 to +9.5) | 12 | 12 | 2 | 02-NOV-06 | 15-NOV-06 |
| MB4-290 | Steel Truss + lower roof +12.674 | 10 | 10 | 2 | 16-NOV-06 | 27-NOV-06 |
| MB4-295 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 28-NOV-06 | 08-DEC-06 |
| MB4-300 | Steel sheet roofing/cladding | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 |
| MB4-305 | Ceiling installation G/F | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 |
| MB4-310 | Handover to ABWF, Grid A-R/1-4 | 0 | 0 | 2 | | 22-DEC-06 |
| MB4-315 | Wall (G/F to 1/F, 11.125) | 18 | 18 | 2 | 02-NOV-06 | 22-NOV-06 |



| | | | |
|--------------------------------|--|------------|----------|
| Date | Revision | Checked | Approved |
| 11-OCT-06 | Extracted from Master Programme Version A. | T LoT Wong | D Lau |
| Activities for coming 3 months | | | |

China State Const. Eng. (H.K.) Ltd Sheet 11 of 19
Core Venue Main Construction Contract
(Package CV-2B & CV-2C)
FL-71 Three Months Rolling Programme
20 Sept 2006 to 20 Dec 2006

Prepared by William C

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | |
|--|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|-----|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | JAN |
| Wing 2: Grid A-R/1-4 | | | | | | | | | | | | |
| MB4-320 | Slab 1/F | 6 | 6 | 2 | 23-NOV-06 | 29-NOV-06 | | | | | | |
| MB4-325 | Wall 1/F to +13.85 | 8 | 8 | 2 | 30-NOV-06 | 08-DEC-06 | | | | | | |
| MB4-330 | Steel cols, braces, beams to Roof +17.48 | 12 | 12 | 2 | 09-DEC-06 | 22-DEC-06 | | | | | | |
| MB4-335 | Steel sheet roofing/cladding | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | | | | | |
| MB4-340 | Ceiling installation 1/F | 12 | 12 | 2 | 09-JAN-07 | 22-JAN-07 | | | | | | |
| MB4-345 | Handover 1F Plant Rm to ABWF | 0 | 0 | 2 | | 08-JAN-07 | | | | | | |
| Center: Ground Level, Grid A-E/5-12 | | | | | | | | | | | | |
| MB4-360 | Excavation to drains | 2 | 0 | 2 | 02-SEP-06A | 19-SEP-06A | | | | | | |
| MB4-365 | Excavation to manholes | 2 | 0 | 2 | 02-SEP-06A | 19-SEP-06A | | | | | | |
| MB4-370 | DN 100 foul drain laying + Manholes | 6 | 0 | 2 | 21-SEP-06A | 30-SEP-06A | | | | | | |
| MB4-375 | DN 100 storm drain + Manholes | 6 | 0 | 2 | 21-SEP-06A | 30-SEP-06A | | | | | | |
| MB4-380 | Tie beam /footing/upstand wall | 10 | 10 | 2 | 14-OCT-06* | 25-OCT-06 | | | | | | |
| MB4-385 | RC works to wash bay/sand roll | 8 | 8 | 2 | 26-OCT-06 | 03-NOV-06 | | | | | | |
| MB4-390 | Install underground foul drains/FS pipe/plumbing | 6 | 6 | 2 | 26-OCT-06 | 01-NOV-06 | | | | | | |
| MB4-395 | WVO Inspection of FS/plumbing pipes | 1 | 1 | 2 | 02-NOV-06 | 02-NOV-06 | | | | | | |
| MB4-400 | Steel columns, +6.695 to+10.2 | 6 | 6 | 2 | 28-OCT-06 | 03-NOV-06 | | | | | | |
| MB4-405 | Backfill/Subbase/Grade slab, + 6.695 | 6 | 6 | 2 | 04-NOV-06 | 10-NOV-06 | | | | | | |
| MB4-410 | Steel Truss + lower roof +12.674 | 12 | 12 | 2 | 11-NOV-06 | 24-NOV-06 | | | | | | |
| MB4-415 | Steel Upper Roof + 13.39 | 10 | 10 | 2 | 25-NOV-06 | 06-DEC-06 | | | | | | |
| MB4-417 | Block wall partitions | 22 | 22 | 2 | 07-DEC-06 | 03-JAN-07 | | | | | | |
| Finishes | | | | | | | | | | | | |
| ABWF Works | | | | | | | | | | | | |
| MB4-025 | Wall Finishes & Claddings | 30 | 30 | 2 | 02-JAN-07 | 05-FEB-07 | | | | | | |
| M&E Services | | | | | | | | | | | | |
| M&E Access Dates | | | | | | | | | | | | |
| MB4-435 | M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl | 0 | 0 | 2 | 08-JAN-07 | | | | | | | |
| MB4-440 | M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl | 0 | 0 | 2 | 03-JAN-07 | | | | | | | |
| M&E Installation | | | | | | | | | | | | |
| MB4-095 | 2nd Fix Plumbing and Drainage Installation | 54 | 54 | 2 | 08-JAN-07 | 17-MAR-07 | | | | | | |
| MB4-100 | 2nd Fix Fire Services Installation | 54 | 54 | 2 | 08-JAN-07 | 17-MAR-07 | | | | | | |
| MB4-105 | 2nd Fix HVAC Installation | 54 | 54 | 2 | 08-JAN-07 | 17-MAR-07 | | | | | | |
| MB4-110 | 2nd Fix Electrical Installation | 54 | 54 | 2 | 08-JAN-07 | 17-MAR-07 | | | | | | |
| MB4-115 | Building Management System | 54 | 54 | 2 | 08-JAN-07 | 17-MAR-07 | | | | | | |
| External Works | | | | | | | | | | | | |
| Tree Transplanting | | | | | | | | | | | | |
| 51020 | Transplant Trees (T393) | 31 | 9 | 2 | 01-SEP-06A | 20-OCT-06 | | | | | | |

| | | | | | | | |
|---|--|---|--|---|--|---|--|
| <p>Slab 1/F</p> <p>Wall 1/F to +13.85</p> <p>Steel cols, braces, beams to Roof +17.48</p> <p>Steel sheet roofing/cladding</p> <p>Ceiling installation 1/F</p> <p>Handover 1F Plant Rm to ABWF</p> | | <p>Steel Truss + lower roof +12.674</p> <p>Steel Upper Roof + 13.39</p> <p>Block wall partitions</p> <p>Wall Finishes & Claddings</p> | | <p>M&E Access: Wing 1, Grid A-R/13-16, Grd Lvl</p> <p>M&E Access: Wing 2, Grid A-R/1-4, Grd Lvl</p> | | <p>2nd Fix Plumbing and Drainage Installation</p> <p>2nd Fix Fire Services Installation</p> <p>2nd Fix HVAC Installation</p> <p>2nd Fix Electrical Installation</p> <p>Building Management System</p> | |
| <p>Tie beam /footing/upstand wall</p> <p>RC works to wash bay/sand roll</p> <p>Install underground foul drains/FS pipe/plumbing</p> <p>WVO Inspection of FS/plumbing pipes</p> <p>Steel columns, +6.695 to+10.2</p> <p>Backfill/Subbase/Grade slab, + 6.695</p> | | <p>Transplant Trees (T393)</p> | | <p>NOV</p> <p>DEC</p> | | <p>JAN</p> <p>2007</p> | |

China State Const. Eng. (H.K.) Ltd. Sheet 12 of 19

Core Venue Main Construction Contract

(Package CV-2B & CV-2C)

FL-71 Three Months Rolling Programme

20 Sept 2006 to 20 Dec 2006

Prepared by William C

Revision

Extracted from Master Programme

Version A.

Activities for coming 3 months

File Name: W13A

Start Date: 11-OCT-06

Finish Date: 27-JUN-07

Filter Name: FL-71 Three Months Rolling Programme

Layout Name: Three Months Rolling Programme

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Current Bar

Progress Bar

Critical Activity

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | | |
|---|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|-----|-----|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | DEC | JAN |
| 51022 | Transplant Trees (T243 to T253) | 78 | 58 | 2 | 15-SEP-06A | 16-DEC-06 | | | | | | | |
| 51024 | Transplant Trees (T212->T238 group) | 89 | 69 | 2 | 15-SEP-06A | 30-DEC-06 | | | | | | | |
| External Utilities/Drainage - Phase 1 | | | | | | | | | | | | | |
| Utilities between Vet Stable & MB3 | | | | | | | | | | | | | |
| EXT-035 | Excavation to formation at MB3 complete | 0 | 0 | 2 | | 15-SEP-06A | | | | | | | |
| EXT-090 | DN750,MHS12.15->S12.18 | 18 | 18 | 2 | 16-OCT-06* | 04-NOV-06 | | | | | | | |
| EXT-095 | DN150 Chilled water main Ch F20->F73 | 18 | 18 | 2 | 06-NOV-06 | 25-NOV-06 | | | | | | | |
| EXT-245 | DN80uPVC, Irrigation Main | 12 | 12 | 2 | 06-NOV-06 | 18-NOV-06 | | | | | | | |
| EXT-247 | ELV+PCCW/COMM ducts | 12 | 12 | 2 | 06-NOV-06 | 18-NOV-06 | | | | | | | |
| Utilities @ Rd ST7 (bet Warm Up Arena & MB3/MB4) | | | | | | | | | | | | | |
| EXT-100 | Excav at MB3/MB4 completed | 0 | 0 | 2 | | 15-SEP-06A | | | | | | | |
| EXT-165 | DN400 MHS12.14->S12.13 | 12 | 12 | 2 | 23-OCT-06* | 04-NOV-06 | | | | | | | |
| EXT-170 | DN450 MHS12.13->S12.11 | 12 | 12 | 2 | 30-OCT-06 | 11-NOV-06 | | | | | | | |
| EXT-175 | DN525 MHS12.11->S12.2 | 18 | 18 | 2 | 06-NOV-06 | 25-NOV-06 | | | | | | | |
| EXT-180 | DN300 MHF12.6->F12.5->F12.4->F12.3 | 18 | 18 | 2 | 13-NOV-06 | 02-DEC-06 | | | | | | | |
| EXT-185 | DN150 Chilled water main Ch F73->F210 | 18 | 18 | 2 | 04-DEC-06 | 23-DEC-06 | | | | | | | |
| EXT-210 | DN150- FS main, Ch C144.5 -> E12.0 | 18 | 18 | 2 | 04-DEC-06 | 23-DEC-06 | | | | | | | |
| EXT-212 | WVO Inspection- FS main Ch C144.5 -> E12.0 | 1 | 1 | 2 | 26-DEC-06 | 26-DEC-06 | | | | | | | |
| EXT-214 | Backfill- FS main Ch C144.5 -> E12.0 | 3 | 3 | 2 | 27-DEC-06 | 29-DEC-06 | | | | | | | |
| EXT-250 | DN80uPVC, Irrigation Main | 18 | 18 | 2 | 04-DEC-06 | 23-DEC-06 | | | | | | | |
| EXT-252 | ELV+PCCW/COMM ducts, Vet Stable to MB3/MB4 | 18 | 18 | 2 | 04-DEC-06 | 23-DEC-06 | | | | | | | |
| Utilities @ Road ST6 (bet MB2 and Chiller) | | | | | | | | | | | | | |
| EXT-120 | DN450, MHS13.7->S13.8 (@ east of MB1) | 14 | 14 | 2 | 23-OCT-06* | 07-NOV-06 | | | | | | | |
| EXT-125 | DN750, MHS13.8->STM3 (bet. Chiller/MB2) | 24 | 21 | 2 | 06-OCT-06A | 03-NOV-06 | | | | | | | |
| EXT-130 | DN200, MHF12.18->F12.17 | 12 | 12 | 2 | 04-NOV-06 | 17-NOV-06 | | | | | | | |
| EXT-135 | DN150 Chilled water main Ch H703->G161 | 12 | 12 | 2 | 18-NOV-06 | 01-DEC-06 | | | | | | | |
| EXT-205 | DN150- FS main, Ch D184 -> D290 | 18 | 18 | 2 | 18-NOV-06 | 08-DEC-06 | | | | | | | |
| EXT-207 | WVO Inspection- FS main, Ch D184 -> D290 | 1 | 1 | 2 | 09-DEC-06 | 09-DEC-06 | | | | | | | |
| EXT-209 | Backfill- FS main Ch D184 -> D290 | 3 | 3 | 2 | 11-DEC-06 | 13-DEC-06 | | | | | | | |
| EXT-220 | DN80uPVC, Irrigation Main | 12 | 12 | 2 | 18-NOV-06 | 01-DEC-06 | | | | | | | |
| EXT-222 | ELV+PCCW ducts, MB1/MB2 | 12 | 12 | 2 | 18-NOV-06 | 01-DEC-06 | | | | | | | |
| Utilities at South Side of MB4 | | | | | | | | | | | | | |
| EXT-030 | Sheet pile low flow interceptor | 18 | 3 | 2 | 28-SEP-06A | 13-OCT-06 | | | | | | | |
| EXT-060 | Low flow interceptor | 24 | 24 | 2 | 14-OCT-06 | 10-NOV-06 | | | | | | | |
| EXT-070 | DN825, MHS12.2->S12.2A->S12.2B->STM1 | 36 | 36 | 2 | 27-NOV-06 | 09-JAN-07 | | | | | | | |
| EXT-075 | DN300, MHF12.3->12.2->12.2A->FTM1 | 24 | 24 | 2 | 04-DEC-06 | 02-JAN-07 | | | | | | | |
| EXT-080 | DN225, LFI->F12.1->12.2 | 18 | 18 | 2 | 03-JAN-07 | 23-JAN-07 | | | | | | | |

| OCT | | NOV | | DEC | | JAN | |
|--|-----------|----------------|--------------------------------|---------|------------|----------|-------|
| 2006 | | 2006 | | 2006 | | 2007 | |
| <p>China State Const. Eng. (H.K.) Ltd. Sheet 13 of 19</p> <p>Core Venue Main Construction Contract</p> <p>(Package CV-2B & CV-2C)</p> <p>FL-71 Three Months Rolling Programme</p> <p>20 Sept 2006 to 20 Dec 2006</p> | | | | | | | |
| Date | 11-OCT-06 | Extracted from | Master Programme | Checked | T LoT Wong | Approved | D Lau |
| Revision | | Version A | | | | | |
| | | | Activities for coming 3 months | | | | |
| Prepared by | William C | | | | | | |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling Programme
 Layout Name: Three Months Rolling Programme
 © Primavera Systems, Inc.

Current Bar
 Progress Bar
 Critical Activity

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | | |
|---|--|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|--|
| | | | | | | | OCT | NOV | DEC | OCT | NOV | DEC |
| Utilities at South Side of MB4 | | | | | | | | | | | | |
| EXT-085 | DN225, F12.13->F12.2A | 12 | 12 | 2 | 03-JAN-07 | 16-JAN-07 | | | | | | DN225, F12.13->F12.2A open cut |
| Utilities between MB1 and MB2 | | | | | | | | | | | | |
| EXT-025 | Remove Falsework at Wall MB2/MB1 (wing areas) | 0 | 0 | 2 | | 08-DEC-06 | | | | | | |
| EXT-045 | DN 750, storm MHS13.23 to S13.27 | 24 | 24 | 2 | 09-DEC-06 | 08-JAN-07 | | | | | | DN 750, storm MHS13.23 to S13.27 with trench, shoring |
| EXT-050 | DN 300 foul drain, MHF12.15->F12.16->F12.17 | 18 | 18 | 2 | 23-DEC-06 | 15-JAN-07 | | | | | | DN 300 foul drain, MHF12.15->F12.16->F12.17 trench, shoring |
| Utilities between MB3 and MB4 | | | | | | | | | | | | |
| EXT-020 | Wall bet MB3/MB4 completed | 0 | 0 | 2 | | 13-DEC-06 | | | | | | Wall bet MB3/MB4 completed open cut |
| EXT-160 | DN300, F12.8->F12.5 | 12 | 12 | 2 | 14-DEC-06 | 28-DEC-06 | | | | | | DN300, F12.8->F12.5 open cut |
| EXT-190 | DN150/225/300, MHS12.50->S12.54 | 14 | 14 | 2 | 29-DEC-06 | 15-JAN-07 | | | | | | DN150/225/300, MHS12.50->S12.54 open cut |
| External Utilities/Drainage - Phase 2 | | | | | | | | | | | | |
| Utilities between Vet Stable and MB1 | | | | | | | | | | | | |
| EXT-040 | Divert Access - Phase 2 Excavation | 0 | 0 | 2 | | 04-DEC-06* | | | | | | |
| EXT-105 | DN450, MHS13.21->S12.36 | 12 | 12 | 2 | 05-DEC-06 | 18-DEC-06 | | | | | | Divert Access - Phase 2 Excavation start after wall at MB1 complete DN450, MHS13.21->S12.36 open cut |
| EXT-110 | DN300, MHF12.15->F13.1->F13.2 | 18 | 18 | 2 | 19-DEC-06 | 10-JAN-07 | | | | | | DN300, MHF12.15->F13.1->F13.2 open cut |
| Utilities bet. Vet Stable and Sand Arena, Rd ST5 | | | | | | | | | | | | |
| EXT-195 | DN150- FS main, Ch D7.5 -> D99.5 | 12 | 12 | 2 | 04-DEC-06* | 16-DEC-06 | | | | | | DN150- FS main, Ch D7.5 -> D99.5 WVO Inspection Backfill |
| EXT-197 | WVO Inspection | 1 | 1 | 2 | 18-DEC-06* | 18-DEC-06 | | | | | | |
| EXT-199 | Backfill | 3 | 3 | 2 | 19-DEC-06* | 21-DEC-06 | | | | | | |
| Utilities at Road ST4 | | | | | | | | | | | | |
| EXT-200 | DN150- FS main, Ch D99.5 -> D184.0 | 12 | 12 | 2 | 18-DEC-06 | 02-JAN-07 | | | | | | DN150- FS main, Ch D99.5 -> D184.0 WVO Inspection Backfill |
| EXT-202 | WVO Inspection | 1 | 1 | 2 | 03-JAN-07 | 03-JAN-07 | | | | | | |
| EXT-204 | Backfill | 3 | 3 | 2 | 04-JAN-07 | 06-JAN-07 | | | | | | |
| EXT-225 | DN80uPVC, Irrigation Main | 12 | 12 | 2 | 18-DEC-06 | 02-JAN-07 | | | | | | DN80uPVC, Irrigation Main open cut |
| Utilities between MB3 and MB2 | | | | | | | | | | | | |
| EXT-015 | Divert Access - Phase 2 Excavation | 0 | 0 | 2 | | 04-DEC-06* | | | | | | |
| EXT-140 | DN450 MHS12.36->S12.35->S12.34 (bet MB3/MB2) | 14 | 14 | 2 | 05-DEC-06 | 20-DEC-06 | | | | | | Divert Access - Phase 2 Excavation start after wall at MB2, MR3, MR4 complete DN450 MHS12.36->S12.35->S12.34 (bet MB3/MB2) open cut |
| EXT-145 | DN450 MHS12.34->S12.32 (beside MB4) | 16 | 16 | 2 | 21-DEC-06 | 10-JAN-07 | | | | | | DN450 MHS12.34->S12.32 (beside MB4) open cut |
| EXT-150 | DN300 MHF12.15->12.9 (bet MB3/MB2) | 16 | 16 | 2 | 05-DEC-06 | 22-DEC-06 | | | | | | DN300 MHF12.15->12.9 (bet MB3/MB2) open cut |
| EXT-240 | DN80uPVC, Irrigation Main | 12 | 12 | 2 | 23-DEC-06 | 08-JAN-07 | | | | | | DN80uPVC, Irrigation Main open cut |
| External Utilities/Drainage - Phase 3 + Roadwork | | | | | | | | | | | | |
| LV Cabling Works | | | | | | | | | | | | |
| 43590 | LV cable laying, Vet stable to Chiller Plant Rm | 12 | 12 | 2 | 06-JAN-07 | 19-JAN-07 | | | | | | LV cable laying, Vet stable to Chiller Plant Rm |
| 43595 | LV cable laying, Tx Rm Vet stable to MB1 and MB2 | 12 | 12 | 2 | 06-JAN-07 | 19-JAN-07 | | | | | | LV cable laying, Tx Rm Vet stable to MB1 and MB2 |
| Access Road (EVA) | | | | | | | | | | | | |
| 43630 | Bituminous Access Road (EVA), Road ST4 | 6 | 6 | 2 | 08-JAN-07 | 13-JAN-07 | | | | | | Bituminous Access Road (EVA), Road ST4 |

File Name: W13A
 Start Date: 11-OCT-06
 Finish Date: 27-JUN-07
 Filter Name: FL-71 Three Months Rolling |
 Layout Name: Three Months Rolling Prool
 © Primavera Systems, Inc.

Current Bar
 Progress Bar
 Critical Activity

China State Const. Eng. (H.K.) Ltd. Sheet 14 of 19
 Core Venue Main Construction Contract
 (Package CV-2B & CV-2C)
 FL-71 Three Months Rolling Programme
 20 Sept 2006 to 20 Dec 2006

Prepared by William C
 Revision
 T Lo/T Wong
 Approved
 D Lau

Date
 11-OCT-06
 Extracted from Master Programme
 Version A
 Activities for coming 3 months

Checked
 Approved

875

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 NOV | 2006 DEC | 2007 JAN |
|---|--|----------|---------|--------|-------------|--------------|-------------|-------------|---|
| Interface Works with Employer Direct Contractors | | | | | | | | | |
| 60080 | CLP cable laying at Portion HKSI-1/HKSI-2 | 60 | 0 | 2 | 17-JUL-06A | 06-OCT-06A | | | |
| Statutory Submissions & Inspections | | | | | | | | | |
| Water Authority | | | | | | | | | |
| 20552 | RSS provide WWO approval letter | 0 | 0 | 2 | 20-SEP-06A | | | | |
| 20560 | Submit Form WWO46 Part 1 and 2 | 1 | 0 | 2 | 25-SEP-06A | 25-SEP-06A | | | |
| 20570 | Form WWO46 Part 4 (underground utilities@stable) | 0 | 0 | 2 | 06-OCT-06A | | | | |
| 20582 | Form WWO46 Part 4 - FS main Ch C144.5 -> E12.0 | 0 | 0 | 2 | 04-DEC-06 | | | | ● Form WWO46 Part 4 - FS main, Ch D184 -> D290. |
| 20587 | Form WWO46 Part 4 - FS main, Ch D184 -> D290 | 0 | 0 | 2 | 18-NOV-06 | | | | ● Form WWO46 Part 4 FS main Ch D7.5 -> D99.5 |
| 20597 | Form WWO46 Part 4 FS main Ch D7.5 -> D99.5 | 0 | 0 | 2 | 04-DEC-06 | | | | ● Form WWO46 Part 4 FS main Ch D99.5 -> D184.0 |
| 20602 | Form WWO46 Part 4 FS main Ch D99.5 -> D184.0 | 0 | 0 | 2 | 18-DEC-06 | | | | |
| EPD | | | | | | | | | |
| 20620 | EPD Application (EL) | 0 | 0 | 2 | 09-OCT-06A | | | | |
| CLP | | | | | | | | | |
| 20630 | CLP Supply metering application (vet stable) | 0 | 0 | 2 | 16-OCT-06* | | | | |
| 20640 | Form WR1 to CLP | 0 | 0 | 2 | 03-JAN-07* | | | | ● Form WR1 to CLP ● |
| FSD - Dangerous Goods | | | | | | | | | |
| 20511 | License application for DG store | 0 | 0 | 2 | 03-JAN-07* | | | | ● License application for DG store ● |
| FSD - Fire Services | | | | | | | | | |
| 20514 | FS 314 drawing submission (FS) | 0 | 0 | 2 | 08-JAN-07* | | | | ● FS 314 drawing submission (FS) ● |
| 20516 | VAC drawing submissions (AC) | 0 | 0 | 2 | 08-JAN-07* | | | | ● VAC drawing submissions (AC) ● |
| Portion HKSI-2 | | | | | | | | | |
| Training and Competition Arena - Sand | | | | | | | | | |
| Site Formation | | | | | | | | | |
| 47040 | Excavation and Fill to Formation Level | 14 | 14 | 2 | 15-NOV-06* | 30-NOV-06 | | | |
| 47050 | Lay Drainage System (ie. Storm, Sub-soil Drain) | 45 | 45 | 2 | 01-DEC-06 | 24-JAN-07 | | | |
| External Works | | | | | | | | | |
| External Works | | | | | | | | | |
| Drainage Works | | | | | | | | | |
| 43602 | Drainage DN225, MHS8 -> S12.25 | 12 | 12 | 2 | 01-DEC-06 | 14-DEC-06 | | | |
| 43606 | ELV+PCCW/COMM ducts, to Vet stable | 12 | 12 | 2 | 15-DEC-06 | 29-DEC-06 | | | |

| | | | | | |
|--|--|--|--|--|--|
| <p>File Name: W13A Start Date: 11-OCT-06 Finish Date: 27-JUN-07 Filter Name: FL-71 Three Months Rolling Program Layout Name: Three Months Rolling Program © Primavera Systems, Inc.</p> | | <p>Current Bar Progress Bar Critical Activity</p> | | <p>China State Const. Eng. (H.K.) Ltd. Sheet 15 of 19 Core Venue Main Construction Contract (Package CV-2B & CV-2C) FL-71 Three Months Rolling Program 20 Sept 2006 to 20 Dec 2006</p> | |
| <p>Date: 11-OCT-06 Revision: 11-OCT-06 Version A, Activities for coming 3 months</p> | | <p>Extracted from Master Programme Checked: T LoT Wong Approved: D Lau</p> | | <p>Prepared by: William C</p> | |
| <p>OCT</p> | | <p>NOV</p> | | <p>DEC</p> | |
| <p>2006</p> | | <p>2006</p> | | <p>2007</p> | |

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 | | | 2007 | |
|---|---|----------|---------|--------|-------------|--------------|------|-----|-----|------|-----|
| | | | | | | | OCT | NOV | DEC | JAN | JAN |
| Section KD-2 (Portion HKSI-3 to HKSI-6) | | | | | | | | | | | |
| Portion HKSI-3 | | | | | | | | | | | |
| Shing Mun Walkway | | | | | | | | | | | |
| Initial Works | | | | | | | | | | | |
| 20225 | Excavation Permit - at HKSI-3 | 51 | 24 | 2 | 24-JUL-06A | 07-NOV-06 | | | | | |
| 66000 | Erect Hoardings | 6 | 6 | 2 | 08-NOV-06 | 14-NOV-06 | | | | | |
| 66005 | Protection to existing trees | 6 | 6 | 2 | 11-NOV-06 | 17-NOV-06 | | | | | |
| 66010 | Site Clearance and demolition works | 12 | 12 | 2 | 18-NOV-06 | 01-DEC-06 | | | | | |
| 66000A | TIM Implementation | 0 | 0 | 2 | 08-NOV-06 | | | | | | |
| External Drainage | | | | | | | | | | | |
| 66020 | Drainage Work - Stage 1 (50m) | 16 | 16 | 2 | 02-DEC-06 | 20-DEC-06 | | | | | |
| 66030 | Drainage Work - Stage 2 (50m) | 16 | 16 | 2 | 21-DEC-06 | 10-JAN-07 | | | | | |
| Portion HKSI-4 | | | | | | | | | | | |
| Training and Competition Arenas | | | | | | | | | | | |
| Main Competition Arena | | | | | | | | | | | |
| Initial Works | | | | | | | | | | | |
| 52010 | Condition Survey and Reporting | 12 | 12 | 2 | 04-DEC-06 | 16-DEC-06 | | | | | |
| 52020 | Protect Existing Structures & Utilities | 7 | 7 | 2 | 04-DEC-06 | 11-DEC-06 | | | | | |
| 52030 | Divert Temporary Utilities/Irrigation | 14 | 14 | 2 | 04-DEC-06 | 19-DEC-06 | | | | | |
| 52040 | Site Clearing and Demolition | 5 | 5 | 2 | 20-DEC-06 | 26-DEC-06 | | | | | |
| Site Formation, Drainage Works, Mast Footing | | | | | | | | | | | |
| 52050 | Excavation | 10 | 10 | 2 | 27-DEC-06 | 08-JAN-07 | | | | | |
| 52070 | Fill to Final Formation | 8 | 8 | 2 | 08-JAN-07 | 16-JAN-07 | | | | | |
| 52072 | Lay underground 150uPVC ducts (900mm depth) | 8 | 8 | 2 | 09-JAN-07 | 17-JAN-07 | | | | | |
| 52080 | Lay Drainage System | 24 | 24 | 2 | 09-JAN-07 | 05-FEB-07 | | | | | |
| 52095 | Footing for 15m high mast (2 nos) | 18 | 18 | 2 | 09-JAN-07 | 29-JAN-07 | | | | | |
| Mini Pile & Pile Cap for 40m High Mast | | | | | | | | | | | |
| 65025 | Site Investigation | 6 | 6 | 2 | 04-DEC-06* | 09-DEC-06 | | | | | |
| 65035 | Utilities diversion | 12 | 12 | 2 | 11-DEC-06 | 23-DEC-06 | | | | | |
| 65045 | Mini-piles- 32 nos. (2 rigs) | 36 | 36 | 2 | 26-DEC-06 | 06-FEB-07 | | | | | |
| Warm Up Arena and Holding Arena | | | | | | | | | | | |
| Initial Works | | | | | | | | | | | |
| 53010 | Condition Survey and Reporting | 14 | 14 | 2 | 12-DEC-06 | 28-DEC-06 | | | | | |
| 53020 | Protect Existing Structures & Utilities | 7 | 7 | 2 | 12-DEC-06 | 19-DEC-06 | | | | | |
| 53030 | Divert Temporary Utilities/Irrigation | 21 | 21 | 2 | 12-DEC-06 | 06-JAN-07 | | | | | |

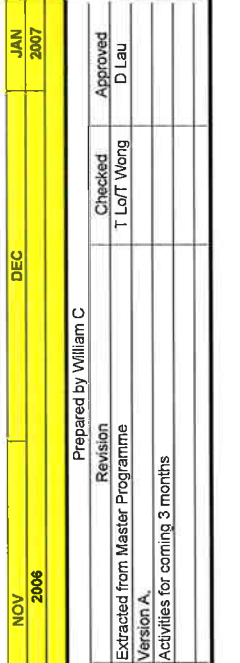
| | | | |
|---|--|---|--|
| Date: 11-OCT-06 Revision: Version A Activities for coming 3 months | | Checked: T LoT Wong Approved: D Lau | |
| Prepared by: William C | | | |
| China State Const. Eng. (H.K.) Ltd. Sheet 16 of 19 Core Venue Main Construction Contract (Package CV-2B & CV-2C) FL-71 Three Months Rolling Programme 20 Sept 2006 to 20 Dec 2006 | | | |
| File Name: W13A Start Date: 11-OCT-06 Finish Date: 27-JUN-07 Filter Name: FL-71 Three Months Rolling Program Layout Name: Three Months Rolling Program © Primavera Systems, Inc. | | Legend: Current Bar: Green Progress Bar: Blue Critical Activity: Red | |

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | OCT | NOV | DEC | 2007 JAN | |
|------------------------------------|---|----------|---------|--------|-------------|--------------|-----|-----|-----|---|--|
| Initial Works | | | | | | | | | | | |
| 53040 | Site Clearing and Demolition | 7 | 7 | 2 | 08-JAN-07 | 15-JAN-07 | | | | Site Clearing and Demolition | |
| Dressage Training Arena | | | | | | | | | | | |
| Initial Works | | | | | | | | | | | |
| 54010 | Condition Survey and Reporting | 14 | 14 | 2 | 12-DEC-06 | 28-DEC-06 | | | | Condition Survey and Reporting | |
| 54020 | Protect Existing Structures & Utilities | 7 | 7 | 2 | 12-DEC-06 | 19-DEC-06 | | | | Protect Existing Structures & Utilities | |
| 54030 | Divert Temporary Utilities/Irrigation | 12 | 12 | 2 | 22-DEC-06 | 06-JAN-07 | | | | Divert Temporary Utilities/Irrigation | |
| 54040 | Site Clearing and Demolition | 7 | 7 | 2 | 08-JAN-07 | 15-JAN-07 | | | | Site Clearing and Demolition | |
| General External Works | | | | | | | | | | | |
| Tree Transplanting | | | | | | | | | | | |
| Initial Works | | | | | | | | | | | |
| 52045 | Tree transplanting (T416...426 group) | 33 | 33 | 2 | 04-DEC-06* | 12-JAN-07 | | | | Tree transplanting (T416...426 group) | |
| 52055 | Tree transplanting (T440...446, T411...413 group) | 35 | 35 | 2 | 04-DEC-06* | 15-JAN-07 | | | | Tree transplanting (T440...446, T411...413 group) | |
| 53045 | Tree transplanting (T167..... 182 group) | 35 | 35 | 2 | 04-DEC-06* | 15-JAN-07 | | | | Tree transplanting (T167..... 182 group) | |
| 54045 | Tree transplanting (T164 to T167) | 40 | 40 | 2 | 15-DEC-06* | 01-FEB-07 | | | | Tree transplanting (T164 to T167) | |
| External Utilities/Drainage | | | | | | | | | | | |
| LV Cabling Works | | | | | | | | | | | |
| 61085 | Lay LV cable-Tx Rm to 40m HM (P5/P4) | 18 | 18 | 2 | 22-NOV-06 | 12-DEC-06 | | | | Lay LV cable-Tx Rm to 40m HM (P5/P4) | |
| 61095 | Lay LV cable-Tx Rm to 15m HM (P11, P11G) | 18 | 18 | 2 | 13-DEC-06 | 04-JAN-07 | | | | Lay LV cable-Tx Rm to 15m HM (P11, P11G) | |
| 61100 | Lay LV cable-Tx Rm to 40m HM (P9) + 20m HM(P8A) | 12 | 12 | 2 | 05-JAN-07 | 18-JAN-07 | | | | Lay LV cable-Tx Rm to 40m HM (P9) + 20m HM(P8A) | |
| 61120 | Lay LV cable-Tx Rm to 40m HM (P2/P3) | 12 | 12 | 2 | 04-DEC-06* | 16-DEC-06 | | | | Lay LV cable-Tx Rm to 40m HM (P2/P3) | |
| 61125 | Lay LV cable-Tx Rm to 40m HM (P6/P7) | 18 | 18 | 2 | 18-DEC-06 | 09-JAN-07 | | | | Lay LV cable-Tx Rm to 40m HM (P6/P7) | |
| Drainage Works | | | | | | | | | | | |
| 61055 | Drainage - DN750, MHS12.2->S12.3 | 18 | 18 | 2 | 04-DEC-06* | 23-DEC-06 | | | | Drainage - DN750, MHS12.2->S12.3 | |
| 61065 | Drainage - DN750, MHS12.3->S12.5 | 18 | 18 | 2 | 11-DEC-06 | 02-JAN-07 | | | | Drainage - DN750, MHS12.3->S12.5 | |
| 61075 | Drainage - DN675, MHS12.5->S12.6 | 18 | 18 | 2 | 18-DEC-06 | 09-JAN-07 | | | | Drainage - DN675, MHS12.5->S12.6 | |
| Fresh Water Mains | | | | | | | | | | | |
| 61140 | Fresh water mains- main competition arena area | 18 | 18 | 2 | 27-DEC-06 | 17-JAN-07 | | | | Fresh water mains- main competition arena area | |
| Area near Slatin Racecourse | | | | | | | | | | | |
| Soft Landscape | | | | | | | | | | | |
| 30010 | Site clearance+Horading+Tree protection | 18 | 18 | 2 | 04-JAN-07* | 24-JAN-07 | | | | Site clearance+Horading+Tree protection | |
| Portion HKSI-6 | | | | | | | | | | | |
| General External Works | | | | | | | | | | | |
| Tree Transplanting | | | | | | | | | | | |
| 40510 | Tree Transplanting (T593, 592) | 69 | 69 | 2 | 01-DEC-06* | 28-FEB-07 | | | | Tree Transplanting (T593, 592) | |

| | | | | |
|--|--|---|---|--|
| File Name: W13A Start Date: 11-OCT-06 Finish Date: 27-JUN-07 Filter Name: FL-71 Three Months Rolling Layout Name: Three Months Rolling Proa © Primavera Systems, Inc. | Current Bar Progress Bar Critical Activity | China State Const. Eng. (H.K.) Ltd. Sheet 17 of 19 Core Venue Main Construction Contract (Package CV-2B & CV-2C) FL-71 Three Months Rolling Programme 20 Sept 2006 to 20 Dec 2006 | Date 11-OCT-06 Extracted from Master Programme Version A Activities for coming 3 months | Revision Prepared by William C T LoT Wong Approved D Lau |
|--|--|---|---|--|

| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | 2006 NOV | 2006 DEC | 2007 JAN |
|---|--|----------|---------|--------|-------------|--------------|-------------|-------------|-------------|
| Tree Transplanting | | | | | | | | | |
| 40513 | Tree Transplanting (T567....T623 series)) | 69 | 69 | 2 | 01-DEC-06* | 28-FEB-07 | | | |
| External Utilities/Drainage | | | | | | | | | |
| 40555 | Underground drainage | 24 | 24 | 2 | 25-OCT-06 | 21-NOV-06 | | | |
| CLP Transformer Rm/ Switch Rm at Lawn Area | | | | | | | | | |
| Superstructure | | | | | | | | | |
| 40535 | Excavation and footing works | 15 | 0 | 2 | 07-SEP-06A | 15-SEP-06A | | | |
| 40540 | Cable trench and ground slab | 20 | 0 | 2 | 16-SEP-06A | 30-SEP-06A | | | |
| 40545 | LV Switch Rm - Walls & Roof +9.7mPD | 18 | 13 | 2 | 03-OCT-06A | 25-OCT-06 | | | |
| 40560 | LV Switch Rm - Walls & Roof +10.3mPD | 18 | 18 | 2 | 03-OCT-06A | 31-OCT-06 | | | |
| Finishes | | | | | | | | | |
| 40520 | Internal Finishing/ Builders Works | 18 | 18 | 2 | 01-NOV-06 | 21-NOV-06 | | | |
| M&E Services | | | | | | | | | |
| 40525 | M&E Access - New CLP Rm/Switch Rm | 0 | 0 | 2 | 22-NOV-06 | | | | |
| 40530 | M&E Installation | 48 | 48 | 2 | 22-NOV-06 | 18-JAN-07 | | | |
| Power On | | | | | | | | | |
| 40550 | Handover to CLP | 0 | 0 | 2 | 13-DEC-06 | | | | |
| 43100 | CLP Installation & Connection at Tx Room | 48 | 48 | 2 | 13-DEC-06 | 08-FEB-07 | | | |
| Section KD-3 & KD-4 (Portion PP-1 to PP-3) | | | | | | | | | |
| Portion PP-1, PP-2, PP-3 | | | | | | | | | |
| Penfold Park Arenas | | | | | | | | | |
| Stage 1 | | | | | | | | | |
| East Side of Penfold Park | | | | | | | | | |
| PP-010 | DN375- storm drain MHS2.5A->S2.5B->S2.5C | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | | | |
| PP-015 | DN375- storm drain CP2.4->OF2.7 | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | | | |
| PP-020 | DN225- storm drain CP2.3->CP2.4 | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | |
| PP-025 | DN375- storm drain CP2.5->CP2.4 | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | |
| PP-030 | DN225- storm drain TTD | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | |
| PP-035 | 225 U channel | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | |
| PP-040 | Overflow weir headwall (OF2.28&OF2.7) @ lake A&B | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | | | |
| West side of Penfold Park | | | | | | | | | |
| PP-065 | Remove existing footpath @gen schooling area | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | |

| | | | |
|--|--|--|--|
| China State Const. Eng. (H.K.) Ltd. Sheet 18 of 19 Core Venue Main Construction Contract (Package CV-2B & CV-2C) FL-71 Three Months Rolling Programme 20 Sept 2006 to 20 Dec 2006 | | Date 11-OCT-06 Revision Version A, Extracted from Master Programme Activities for coming 3 months | Checked T LoT Wong Approved D Lau |
| File Name:W13A Start Date:11-OCT-06 Finish Date:27-JUN-07 Filter Name:FL-71 Three Months Rolling ; Layout Name:Three Months Rolling Proa © Primavera Systems, Inc. | Current Bar Progress Bar Critical Activity | Prepared by William C | |



| Activity ID | Activity Description | Orig Dur | Rem Dur | Cal ID | Early Start | Early Finish | OCT | NOV | DEC | 2007 JAN |
|---|--|----------|---------|--------|-------------|--------------|--|-----|-----|----------|
| West side of Penfold Park | | | | | | | | | | |
| PP-070 | Remove / modify existing irrigation system | 20 | 9 | 2 | 21-AUG-06A | 20-OCT-06 | Remove / modify existing irrigation system | | | |
| PP-075 | Construct new foot path no. 5 | 20 | 0 | 2 | 21-AUG-06A | 30-SEP-06A | | | | |
| PP-080 | Construct 300 UC (CI) | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | | |
| PP-085 | Formation at Bridle path at south and west | 20 | 0 | 2 | 21-AUG-06A | 12-SEP-06A | | | | |
| PP-090 | Associated 225 TCD | 20 | 3 | 2 | 20-SEP-06A | 13-OCT-06 | Associated 225 TCD | | | |
| PP-095 | Associated 300 TCD from CP1.10->CP1.8 | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | Associated 300 TCD from CP1.10->CP1.8 | | | |
| PP-100 | DN375 storm drain CP1.8-> CP1.7 | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | DN375 storm drain CP1.8-> CP1.7 | | | |
| PP-105 | New Footpath 1 south side | 20 | 3 | 2 | 21-AUG-06A | 13-OCT-06 | New Footpath 1 south side | | | |
| PP-110 | Stage 1 complete | 0 | 0 | 2 | | 20-OCT-06 | ● Stage 1 complete | | | |
| Stage 2 | | | | | | | | | | |
| Site Formation/Landscaping Works | | | | | | | | | | |
| PP-120 | DN150/225 from water jump to CP1.4 | 20 | 17 | 2 | 06-OCT-06A | 30-OCT-06 | DN150/225 from water jump to CP1.4 | | | |
| PP-125 | DN225 CP1.4A-> CP1.4B | 20 | 0 | 2 | 04-SEP-06A | 20-SEP-06A | | | | |
| PP-130 | DN225 CP1.5-> EX. | 20 | 0 | 2 | 25-SEP-06A | 30-SEP-06A | | | | |
| PP-135 | DN225 CP1.24->OF1.26 | 12 | 0 | 2 | 20-SEP-06A | 06-OCT-06A | DN225 CP1.24->OF1.26 | | | |
| PP-140 | DN3755 CP1.7->OF1.9 | 12 | 9 | 2 | 06-OCT-06A | 20-OCT-06 | DN3755 CP1.7->OF1.9 | | | |
| PP-145 | DN300 CP1.12-> OF1.13 | 12 | 9 | 2 | 06-OCT-06A | 20-OCT-06 | DN300 CP1.12-> OF1.13 | | | |
| PP-150 | DN300 ST1.16-> OF1.16 | 20 | 0 | 2 | 11-SEP-06A | 20-SEP-06A | | | | |
| PP-160 | DN300 ST2-> OF1.19 | 20 | 7 | 2 | 25-SEP-06A | 18-OCT-06 | DN300 ST2-> OF1.19 | | | |
| PP-165 | DN225 CP1.21->CP1.20->EX | 12 | 9 | 2 | 06-OCT-06A | 20-OCT-06 | DN225 CP1.21->CP1.20->EX | | | |
| PP-170 | Sand trap ST1 & ST2 | 20 | 0 | 2 | 05-SEP-06A | 30-SEP-06A | | | | |
| PP-175 | 300UC for Arena 1 and 2 | 20 | 0 | 2 | 05-SEP-06A | 30-SEP-06A | | | | |
| PP-180 | 300UC foot path 4 to CP1.18 | 12 | 9 | 2 | 06-OCT-06A | 20-OCT-06 | 300UC foot path 4 to CP1.18 | | | |
| PP-185 | 225UC to CP1.14 | 12 | 9 | 2 | 06-OCT-06A | 20-OCT-06 | 225UC to CP1.14 | | | |
| PP-190 | 300TCD to CP1.8 | 20 | 0 | 2 | 23-SEP-06A | 30-SEP-06A | | | | |
| PP-195 | DN150 sub soil drains | 6 | 3 | 2 | 06-OCT-06A | 13-OCT-06 | DN150 sub soil drains | | | |
| PP-215 | Overflow weir headwall (5 nos) around lake C | 20 | 9 | 2 | 20-SEP-06A | 20-OCT-06 | Overflow weir headwall (5 nos) around lake C | | | |
| PP-220 | Formation works in dressage training Arena 1 & 2 | 20 | 3 | 2 | 13-SEP-06A | 13-OCT-06 | Formation works in dressage training Arena 1 & 2 | | | |
| PP-225 | Remove / modify existing irrigation system | 20 | 9 | 2 | 21-AUG-06A | 20-OCT-06 | Remove / modify existing irrigation system | | | |
| PP-235 | Formation works in general schooling areas | 20 | 3 | 2 | 06-SEP-06A | 13-OCT-06 | Formation works in general schooling areas | | | |
| PP-240 | Water jump in schooling area | 20 | 17 | 2 | 06-OCT-06A | 30-OCT-06 | Water jump in schooling area | | | |
| PP-245 | Formation works in Cross Country 3 and 4 | 20 | 9 | 2 | 13-SEP-06A | 20-OCT-06 | Formation works in Cross Country 3 and 4 | | | |
| PP-250 | New footpath east of Lake C | 20 | 17 | 2 | 06-OCT-06A | 30-OCT-06 | New footpath east of Lake C | | | |
| PP-255 | Stage 2 Complete | 0 | 0 | 2 | | 30-OCT-06 | ● Stage 2 Complete | | | |

China State Const. Eng. (H.K.) Ltd. Sheet 19 of 19
Core Venue Main Construction Contract
(Package CV-2B & CV-2C)
FL-71 Three Months Rolling Programme
20 Sept 2006 to 20 Dec 2006

Prepared by William C

Revision
 T Lo/T Wong
 Approved
 D Lau

11-OCT-06
 Version A
 Activities for coming 3 months

File Name:W13A
 Start Date:11-OCT-06
 Finish Date:27-JUN-07
 Filter Name:FL-71 Three Months Rolling i
 Lavout Name:Three Months Rolling Proa
 © Primavera Systems, Inc.

Current Bar
 Progress Bar
 Critical Activity

OCT NOV 2006
 DEC JAN 2007

Appendix B

**Environmental
Mitigation
Implementation
Schedule**

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

| EIA Ref. | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation | What requirements or standards for the measures to achieve? |
|----------|---|---|--------------------------------|--------------------------|---------------------------------|---|---|
| S3.8 | <p>The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation</p> <ul style="list-style-type: none"> Any excavated or dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads or streets; The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle; Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; Any skip hoist for material transport should be totally enclosed by impervious sheeting; | <p>Good construction site practices to control the dust impact at the nearby sensitive receivers to within the relevant criteria.</p> | Contractor | Entire construction site | Construction stage | <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> <p align="center">N/A</p> <p align="center">✓</p> | <p>To control the dust impact to within the HKAQO and TM-EIA criteria (Ref. 1-hr and 24hr TSP levels are 500 $\mu\text{g m}^{-3}$ and 260 $\mu\text{g m}^{-3}$, respectively)</p> |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

| EIA Ref. | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation | What requirements or standards for the measures to achieve? |
|----------|--|--|--------------------------------|--------------------------|---------------------------------|--|---|
| S3.8.2 | <p>The Contract shall adopt adequate measures to mitigate the odour impact to acceptable level:</p> <ul style="list-style-type: none"> • A sanitary environment will always be maintained in the stable area. The current waste management practices will be extended to cover the new stable area at HKSI. Detailed design of stable will cater for the health, safety and environmental protection considerations in accordance with the HKJC policy and practice; • Regular maintenance of the odour removal system, such as carbon filter system will be carried out to maintain the odour removal efficiency; and • Enclosed containers, similar to those at the existing stables near HKSI, will be provided for the stockpiling of waste. | <p>minimize the potential odour impact to nearby sensitive receivers</p> | Contractor | Stables | Operational Phase | N/A | <ul style="list-style-type: none"> • TM-EIA, Annex 4 • 5 odour units based on averaging time of 5 seconds |
| S4.8.1.1 | <p>1) Use of good site practices to limit noise emissions by considering the following:</p> <ul style="list-style-type: none"> • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, mobile container site officer and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. | <p>Control construction airborne noise by means of good site practices</p> | Contractor | Entire construction site | Construction stage | <ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ ✓ | <ul style="list-style-type: none"> • Noise Control Ordinance |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

| EIA Ref. | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation | What requirements or standards for the measures to achieve? |
|----------|--|---|--------------------------------|--------------------------|---------------------------------|----------------|--|
| S4.8.1.2 | 2) Install temporary hoarding of 2.4m high located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period. | Reduce the construction noise levels at low-level zone of NSRs through partial screening. | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> • Noise Control Ordinance • Annex 5, TM-EIA • Hoarding should have no openings and a superficial surface density of at least 14kg/m². |
| S4.8.1.3 | 3) Install movable noise barriers (typically density @14kg/m ²), acoustic mat close to noisy plants including air compressor, water pump, hand-held breaker and pipe pile rigs. | Screen the noisy plant items to be used at all construction sites | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> • Noise Control Ordinance • Annex 5, TM-EIA • 75dB(A) for residential premises and 70dB(A) for schools during daytime • The movable barrier should achieve at least 5dB(A) and the full enclosure should be designed to achieve 10dB(A) |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

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|----------|---|--|--------------------------------|--|---------------------------------|----------------|--|
| S4.8.1.4 | 4) Liaise with the school representative(s) including, but not limited to Hong Kong Institute of Vocational Education (Shatin), Jockey Club Ti-1 College, International Christian School – Elementary and Leung Kui Kau Primary School to obtain the examination schedule and avoid noisy construction activities during school examination period. | Schedule the construction works outside school examination periods to less intrusive periods | Contractor | Construction sites near the schools such as Hong Kong Institute of Vocational Education (Shatin), Jockey Club Ti-1 College, International Christian School – Elementary and Leung Kui Kau Primary School | Construction stage | N/A | <ul style="list-style-type: none"> Noise Control Ordinance Annex 5, TM-EIA To comply with the daytime construction noise criterion of 65dB(A) at school during the examination periods, |
| S4.8.1.5 | 5) Select "Quiet plants" which comply with the BS 5228 Part 1 or TM standards. | Reduce the noise levels of plant items | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> Noise Control Ordinance & its TM Annex 5, TM-EIA |
| S4.8.1.6 | 6) Sequencing operation of construction plant equipment. | Operate sequentially within the same work site to reduce the construction airborne noise | Contractor | Entire construction site where practicable | Construction stage | ✓ | <ul style="list-style-type: none"> Noise Control Ordinance Annex 5, TM-EIA |
| S4.8.4.1 | 1) The Louvres should be orientated away from adjacent NSRs where possible, preferably onto Sha Tin Racecourse which are less sensitive. | Control operational noise from fixed sources | Designers | E&M plant items | Design stage | ✓ | <ul style="list-style-type: none"> HKPSG |
| S4.8.4.1 | 2) Adequate direct noise mitigation measures including silencers, acoustic louvers, acoustic enclosures should be allowed for in the design. | Control operational noise from fixed sources | Designers | E&M plant items | Design stage | ✓ | <ul style="list-style-type: none"> HKPSG |
| S4.8.4.2 | 3) A cluster of small power rated loudspeakers should be used instead of a few large power rated loudspeakers | Control operational noise from fixed sources | Designers | PA system | Design stage | ✓ | <ul style="list-style-type: none"> HKPSG |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

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|----------|---|--|--------------------------------|-----------------------------|---------------------------------|----------------|--|
| S4.8.4.2 | 4) Directional loudspeakers should be used and orientated them to point towards the audience and away from the nearby noise sensitive receivers | Control operational noise from fixed sources | Designers | PA system | Design stage | ✓ | <ul style="list-style-type: none"> • HKPSG |
| S5.6.1 | 1) Follow the site practices outlined in ProPECC PN 1/94 as far as practicable in order to minimise surface runoff and the chance of erosion, and to reduce any suspended solids prior to discharge. | Good site practice to control construction water quality | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> • Requirements laid down in ProPECC PN 1/94 |
| S5.6.1 | <u>Sewage Effluent</u> 1) Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance. | Control sewage effluent arising from the sanitary facilities provided for the on-site construction workforce | Contractor | On-site sanitary facilities | Construction stage | ✓ | <ul style="list-style-type: none"> • ProPECC PN 1/94 • Water Pollution Control Ordinance • Waste Disposal Ordinance |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

| EIA Ref. | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation | What requirements or standards for the measures to achieve? |
|----------|--|--|--------------------------------|--------------------------|---------------------------------|----------------|--|
| S5.6.1 | <p><u>Construction Runoff and Site Drainage</u></p> <ul style="list-style-type: none"> At the start of site establishment (including the barging facility), perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a site/sediment trap. The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means. The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all trafficked areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows. All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas. | Control construction runoff and erosion from site surface, drainage channel, stockpiles, barging facility, wheel washing facilities, etc to minimize water quality during construction stage | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> ProPECC PN 1/94 Water Pollution Control Ordinance |

**Environmental Mitigation Implementation Schedule
Main Arena of 2008 Olympic Equestrian Events**

| EIA Ref. | Recommended Mitigation Measures | Objectives of the Recommended Measures & Main Concerns to address | Who to implement the measures? | Location of the measures | When to implement the measures? | Implementation | What requirements or standards for the measures to achieve? |
|----------|---|---|--------------------------------|--------------------------|---------------------------------|---|---|
| | <p>Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.</p> <ul style="list-style-type: none"> • Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50 m³ should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. • Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. • Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. • All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing bay should be provided at every construction site exit. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains. • Oil interceptors should be provided in the site drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain. | | | | | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>N/A</p> | |

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| | <ul style="list-style-type: none"> Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts. Requirements for solid waste management are detailed in Section 6 of the EIA Report. All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby. | | | | | <p align="center">✓</p> <p align="center">✓</p> | |
| S5.6.2.1 | A low flow interceptor drainage system should be constructed to intercept the first foul flush and convey it to a storage tank from where it is pumped to the foul drainage system. The catchment area of the low flow interceptor drainage covers the area of Main Stable Complex. Sand traps will also be provided at the stable to prevent sand from being conveyed into the pipe system. | Control surface runoff | Scheme designers and/or Operator | Drainage system | Design and/or operational stage | B | <ul style="list-style-type: none"> TM-water Water Pollution Control Ordinance |
| S5.6.2.2 | A new 450mm public gravity sewer should be constructed along the pathway of the Shing Mun River and be connected to the existing 450mm public sewer at the southeastern corner of HKSI to collect the sewage from the new Stable Complex and the low flow interceptor system. | Control sewage collection | Scheme designers | Sewage System | Design stage | B | <ul style="list-style-type: none"> Water Pollution Control Ordinance TM-water |
| S6.5.1.1 | 1) The requirements as recommended in ETWB TC 15/2003 Waste Management on Construction Sites and its latest version, and other relevant guidelines, should be included in the Particular Specification as appropriate. 2) Prior to the commencement of construction work, the Contractor should prepare a WMP to provide an overall framework for waste management and reduction. | Develop waste management strategies and minimize construction waste disposal Develop waste management and reduction strategies | Scheme Designer Contractor | Entire construction site Entire construction site | Design stage Construction stage | <p align="center">✓</p> <p align="center">✓</p> | <ul style="list-style-type: none"> Waste Disposal Ordinance ETWB TC 15/2003 Waste Disposal (Chemical Waste) (General) Regulation ETWBTC 34/2002 |

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| S6.5.1.2 & S6.5.1.3 | <p><u>Construction and Demolition Material</u></p> <ul style="list-style-type: none"> • Opportunity for re-using of fill material for back filling should be optimized. • Excavated materials that cannot be recycled should be transported to public filling areas. • Careful design, planning and good site management can minimise over-ordering and waste materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic fencing should be considered to increase the potential for reuse. • The contractor should recycle as much as possible of the construction waste on-site. Proper segregation of wastes on site will increase the feasibility of recycling certain components of the waste stream by recycling contractors. Concrete and masonry can be used as general fill and steel reinforcement bars can be used by scrap steel mills. Different areas should be designated for such segregation and storage wherever site conditions permit. • Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. • Surplus artificial hard materials should be delivered to Tuen Mun Area 38 recycling plant or its successor for recycling into subsequent useful products. • On-site sorting and segregation facility of all type of wastes is considered as one of the best practice in waste management and hence, should be implemented in all projects generating construction waste. The sorted public fill and construction & demolition (C&D) waste should be disposed to public filling areas and landfills, respectively. | <p>Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal</p> | Contractor | Entire construction site | Construction stage | <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> | <ul style="list-style-type: none"> • Land (Miscellaneous Provisions) Ordinance • Waste Disposal Ordinance • ETWB TC 15/2003 |

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| | <ul style="list-style-type: none"> • Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate. • Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified. • Implement an enhanced Waste Management Plan similar to ETWB TC(W) No. 15/2003 – "Waste Management on Construction Sites" to encourage on-siting sorting of C&D materials and to minimize their generation during the course of construction. | | | | | <p align="center">✓</p> <p align="center">✓</p> <p align="center">✓</p> | |
| S6.5.1.4 | <p><u>Chemical Waste</u></p> <ul style="list-style-type: none"> • Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. • Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; have a capacity of less than 450 liters unless the specification has been approved by the EPD; and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation. • The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste; enclosed on at least 3 sides; have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20 % of the total volume of waste stored in that area, whichever is the greatest; have adequate ventilation; covered to prevent rainfall entering; and arranged so that incompatible materials are adequately separated. • Disposal of chemical waste should be via a licensed waste collector; be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers; or be to a reuser of the waste, under approval from the EPD. | Control the chemical waste and ensure proper storage, handling and disposal. | Contractor | Entire construction site | Construction stage | <p align="center">N/A</p> <p align="center">N/A</p> <p align="center">N/A</p> <p align="center">N/A</p> | <ul style="list-style-type: none"> • Waste Disposal (Chemical Waste) (General) Regulation • Code of Practice on the Packaging, Labelling and Storage of Chemical Waste |

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| S6.5.1.6 | <p><u>Sewage</u></p> <ul style="list-style-type: none"> Adequate numbers of portable toilets should be provided for the workers. The portable toilets should be maintained in a state, which will not deter the workers from utilizing these portable toilets. Night soil should be collected by licensed collectors regularly. | <p>Proper handling of sewage from worker to avoid odour, pest and litter impacts</p> | Contractor | Entire construction site | Construction stage | ✓ | <ul style="list-style-type: none"> Waste Disposal Ordinance |
| S6.5.1.5 | <p><u>General Refuse</u></p> <ul style="list-style-type: none"> General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. Aluminium cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor. In addition, waste separation facilities for paper, aluminium cans, plastic bottles etc., should be provided. | <p>Minimize production of the general refuse and avoid odour, pest and litter impacts</p> | Contractor | Entire construction site | Construction stage | <ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ | <ul style="list-style-type: none"> Waste Disposal Ordinance |

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| S6.5.2.1 | <p><u>Municipal Waste</u></p> <ul style="list-style-type: none"> Recycling bins will be provided at shops and food service locations to collect cardboard containers. Personnel in office will be provided with bins to recycle office paper. Aluminium can recycling bins will be placed at prominent locations for collection Recycling bins for plastic bottle recovery should be set up at prominent places to facilitate visitors' participation in material recovery activities. The landscaping works will generate a certain amount of grass clippings, leaves, bush and tree trimmings. However, the handling capacity of the existing Sha Ling composting facility is limited and is currently composting livestock wastes. The facility is unlikely to be able to handle the green waste generated from the Project site. Should there be a market or facility which could process the green waste arising from the Project site, the establishment of a recycling programme for green waste should be considered. The venue operator should make arrangements with the laser printer toner cartridge suppliers to collect and recycle used toner cartridges for laser printers to avoid disposal of the cartridge at landfills as far as practicable. | Storage and handling of waste | Operator | Entire project site | Operational stage | B B B N/A B | <ul style="list-style-type: none"> Waste Disposal Ordinance |
| S6.5.2.2 | <p><u>Waste from Stables</u></p> <ul style="list-style-type: none"> Waste from horse stables (mainly the horse manure) would be collected on a regular basis following HKJC's sanitary practices. | Storage and handling of waste | Operator | Entire project site | Operational stage | B | <ul style="list-style-type: none"> Waste Disposal Ordinance |

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| S9.3 & S9.7 | <ol style="list-style-type: none"> 1) An Independent Environmental Checker needs to be employed as per the EM&A Manual. 2) Establish a telephone hotline which enables the public to raise any matters of concern regarding the project such as complaints, comments, suggestions or requests for information. | Control EM&A Performance | Project Proponent | All construction sites | Construction stage | <ul style="list-style-type: none"> ✓ ✓ | <ul style="list-style-type: none"> • EIAO Guidance Note No.4/2002 • TM-EIAO |
| S9.5 | <ol style="list-style-type: none"> 1) An Environmental Team needs to be employed as per the EM&A Manual. 2) Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures. 3) An environmental impact monitoring needs to be implementing by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. 4) Real-time reporting of monitoring data for the Project through a dedicated internet website need to be provided and maintained by the Environmental Team | Perform environmental monitoring & auditing | Contractor | All construction sites | Construction stage | <ul style="list-style-type: none"> ✓ ✓ ✓ ✓ | <ul style="list-style-type: none"> • EIAO Guidance Note No.4/2002 • TM-EIAO |

Note: ✓ - Implemented
 B - To be implemented
 N/A - Not applicable

Appendix C

**Log records and details
of environmental
complaints**

Log Record on Environmental Complaints

| No. | Date of Complaint Received | Description | Investigation Result and Proposed Actions | Completion Date | Remarks |
|-----|----------------------------|---|--|-----------------|--|
| 001 | 28 Aug 2006 | Discharge of muddy water into Shing Mun River | <p>No evidence had shown the source of the muddy water discharge from subjected site. In fact, there were three main contractors working inside the HKSJ area and all share the same discharge outlet. However, contractor had carried out the following measures to prevent any further discharge of muddy water from the subject site areas:</p> <ol style="list-style-type: none"> 1. Keep closely checking on the performance of the wastewater treatment system; 2. Closely monitoring of the discharge outlet at Shing Mun River and tracing of the source origin immediately if muddy water was observed; 3. Made use of the shallow ground areas on site to temporary trap stormwater inside the site to prevent any direct discharge; 4. Construction of temporary drainage channel and use of water pump to properly divert the trapped stormwater to the temporary sump pit; 5. Control pumping of all muddy water collected from the sump pit to the wastewater treatment plant within its treatment capacity before discharging. | 1 Sept 2006 | EPD inspected the site drainage system on 1 Sept 2006 and was satisfied. |