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25 May 2018

Mr Keith WONG  
Legislative Council Secretariat  
Legislative Council Complex  
1 Legislative Council Road  
Central  
Hong Kong

Dear Mr Wong,

### **Establishment Subcommittee**

#### **Follow-up to the meeting on 16 May 2018**

At the meeting of the Establishment Subcommittee of the Legislative Council (LegCo) on 16 May 2018, we consulted Members on the proposed creation of the three supernumerary directorate posts in the Airport Expansion Project Coordination Office (AEPCO) under the Transport Branch of the Transport and Housing Bureau. The Government was requested to provide supplementary information about the measures undertaken by AAHK in enhancing the awareness of occupational safety among the workers for the Three-Runway System (3RS) project, as well as information about the contractors of the 14 major contracts awarded by AAHK. I am authorised to reply as below.

#### **Enhancing the awareness of occupational safety**

The Government and the Airport Authority Hong Kong (AAHK) are committed to according the highest priority to construction safety. One of the major responsibilities of AEPCO is to

work closely with AAHK to improve the working environment and occupational safety of the 3RS project. To this end, AEPCO has been monitoring AAHK's monthly accident frequency rates. As a preventive measure, AAHK would be reminded to take necessary measures to enhance workers' awareness of occupational safety, should there be any signs of slight deterioration of the accident rates.

AAHK has been adopting a wide range of measures to ensure construction safety of the 3RS project at different stages. As part of the prequalification and tender assessments, it is a mandatory requirement for tenderers to demonstrate its commitment to safety. AAHK adopts prefabrication, pre-assembly and modularisation, as far as possible, so as to reduce the risks associated with working at height.

As regards on-going measures, AAHK maintains a close relationship with both the contractors and workers to ensure that the top management's concerns about construction safety is cascaded to all levels and to instil a strong sense of safety awareness across the board. To this end, a Safety Partnering Approach is adopted in engaging contractors. For instance, monthly safety management meetings are arranged for AAHK and all contractors to exchange good practices in construction safety and to share information about incidents occurred in the works site. AAHK also conducts risk review workshops with contractors and joint safety inspections on all works contracts from time to time. Where follow-up actions are identified during the inspections, contractors are required to take immediate actions.

Safety training programmes are provided for workers. Between August 2016 (commencement of 3RS works) and April 2018, more than 100 000 safety man-events (comprising safety induction training, refresher courses, site specific safety training and tool-box talks) were conducted. Workers are also engaged through the Airport Staff Safety Recognition Scheme which commends staff, individually or as a team, who have contributed to airport safety, on an annual basis. A safety performance programme is in place which provides a channel for workers to give feedback to AAHK or the contractors on safety provisions and staff welfare improvements.

In addition to the above measures, AAHK commissions independent safety audits annually to assess the adequacy, effectiveness and reliability of the 3RS safety management system and the performance of the contractors.

With an elaborate system of safety programmes for the 3RS works in place and the concerted efforts of all parties concerned, the 12-month rolling Accident Frequency Rate (AFR<sup>1</sup>) per 1 000 workers per year for the 3RS project is less than 3.0 to-date, compared with that of the Hong Kong construction industry's average of 34.5 in 2016 as reported by the Labour Department.

The working conditions and occupational safety at the construction sites constitutes an important aspect of AEPCO's monitoring work. AEPCO will continue to work closely with AAHK to ensure that its contractors will fully comply with all relevant statutory requirements on worker-related issues.

### **Information about the contractors of the 14 major contracts awarded by AAHK**

The information about the contractors of the 14 major contracts awarded by AAHK is set out at Annex for Members' reference.

Yours sincerely,

[Signed]

(Charvis LI)  
for Secretary for Transport and Housing

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<sup>1</sup> AFR is the number of reportable accidents per 1 000 workers per year. This calculation is in accordance with the Labour Department and is widely used in the Hong Kong construction industry.

**Major Contractors of the 3RS Project**

No.	Construction Works Contract	Name of Contractor	Background of Contractor (Note 1)
1.	Contract No.: 3201 Deep Cement Mixing Works (Package 1)	Joint Venture between : <ul style="list-style-type: none"> <li>• Penta-Ocean Construction Co., Ltd.;</li> <li>• China State Construction Engineering (Hong Kong) Ltd.; and</li> <li>• Dong-Ah Geological Engineering Co., Ltd.</li> </ul>	<p><b><u>Penta-Ocean Construction Co., Ltd</u></b>  <a href="http://www.penta-ocean.co.jp/english/company/overview/index.html">http://www.penta-ocean.co.jp/english/company/overview/index.html</a></p> <p><b><u>China State Construction Engineering (Hong Kong) Ltd.</u></b>  <a href="http://english.cscec.com/index.html">http://english.cscec.com/index.html</a> *</p> <p><b><u>Dong-Ah Geological Engineering Co., Ltd.</u></b>  <a href="http://dage.co.kr/en/sub1/1_1.asp">http://dage.co.kr/en/sub1/1_1.asp</a></p>
2.	Contract No.: 3202 Deep Cement Mixing Works (Package 2)	Joint Venture between : <ul style="list-style-type: none"> <li>• Samsung C&amp;T Corporation; and</li> <li>• Build King (Zens) Construction Limited</li> </ul>	<p><b><u>Samsung C&amp;T Corporation</u></b>  <a href="http://www.samsungcnt.com/eng/overview/info.do">http://www.samsungcnt.com/eng/overview/info.do</a></p> <p><b><u>Build King (Zens) Construction Limited</u></b>  <a href="https://www.buildking.hk/eng/about-us/who-we-are">https://www.buildking.hk/eng/about-us/who-we-are</a> *</p>
3.	Contract No.: 3203 Deep Cement Mixing Works (Package 3)	<ul style="list-style-type: none"> <li>• Sambo E&amp;C Co., Ltd.</li> </ul>	<p><b><u>Sambo E&amp;C Co., Ltd.</u></b>  <a href="http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en">http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en</a></p>

<b>No.</b>	<b>Construction Works Contract</b>	<b>Name of Contractor</b>	<b>Background of Contractor (Note 1)</b>
4.	Contract No.: 3204 Deep Cement Mixing Works (Package 4)	Joint Venture between : <ul style="list-style-type: none"> <li>• China Road and Bridge Corporation;</li> <li>and</li> <li>• Sambo E&amp;C Co., Ltd.</li> </ul>	<p><b><u>China Road and Bridge Corporation</u></b>  <a href="http://www.crbc.com.hk/en/region_detail.php?cid=2&amp;id=3">http://www.crbc.com.hk/en/region_detail.php?cid=2&amp;id=3</a></p> <p><b><u>Sambo E&amp;C Co., Ltd.</u></b>  <a href="http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en">http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en</a></p>
5.	Contract No.: 3205 Deep Cement Mixing Works (Low Headroom)	Joint Venture between : <ul style="list-style-type: none"> <li>• Bachy Soletanche Group Ltd; and</li> <li>• Sambo E&amp;C Co., Ltd.</li> </ul>	<p><b><u>Bachy Soletanche Group Ltd</u></b>  <a href="http://www.bachy-soletanche.com.hk/nindex.php?qserial=2&amp;serial=2">http://www.bachy-soletanche.com.hk/nindex.php?qserial=2&amp;serial=2</a></p> <p><b><u>Sambo E&amp;C Co., Ltd.</u></b>  <a href="http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en">http://www.samboenc.com/?mId=73&amp;mode=view&amp;lang=en</a></p>
6.	Contract No.: 3206 Main Reclamation Works	Joint Venture between : <ul style="list-style-type: none"> <li>• Zhen Hua Engineering Co., Ltd.;</li> <li>• China Communications Construction Co., Ltd.; and</li> <li>• CCCC Dredging (Group) Co., Ltd.</li> </ul>	<p><b><u>Zhen Hua Engineering Co., Ltd.</u></b>  <a href="http://www.chechk.com/html/eng/comp/introz/index.htm">http://www.chechk.com/html/eng/comp/introz/index.htm</a></p> <p><b><u>China Communications Construction Co., Ltd.</u></b>  <a href="http://en.ccccltd.cn/aboutcompany/introduction/">http://en.ccccltd.cn/aboutcompany/introduction/</a></p> <p><b><u>CCCC Dredging (Group) Co., Ltd.</u></b>  <a href="http://www.cccc-cdc.com/english/level2.jsp?caid=014">http://www.cccc-cdc.com/english/level2.jsp?caid=014</a></p>

No.	Construction Works Contract	Name of Contractor	Background of Contractor (Note 1)
7.	Contract No.: 3301 North Runway Crossover Taxiway	Joint Venture between : <ul style="list-style-type: none"> <li>• Fujita Corporation;</li> <li>• China Harbour Engineering Co., Ltd.; and <sup>(Note 2)</sup></li> <li>• Zhen Hua Engineering Co., Ltd.</li> </ul>	<p><b><u>Fujita Corporation</u></b>  <a href="http://www.fujita.com/overview">http://www.fujita.com/overview</a></p> <p><b><u>China Harbour Engineering Co., Ltd.</u></b> <sup>(Note 2)</sup>  <a href="http://www.chec.bj.cn/zg/tabid/67/Default.aspx">http://www.chec.bj.cn/zg/tabid/67/Default.aspx</a></p> <p><b><u>Zhen Hua Engineering Co., Ltd.</u></b>  <a href="http://www.checkk.com/html/eng/comp/introz/index.htm">http://www.checkk.com/html/eng/comp/introz/index.htm</a></p>
8.	Contract No.: 3501 Antenna Farm and Sewage Pumping Station	<ul style="list-style-type: none"> <li>• Build King Construction Limited</li> </ul>	<p><b><u>Build King Construction Limited</u></b>  <a href="https://www.buildking.hk/eng/about-us/who-we-are">https://www.buildking.hk/eng/about-us/who-we-are</a></p>
9.	Contract No.: 3503 Terminal 2 Foundation and Substructure Works	Joint Venture between : <ul style="list-style-type: none"> <li>• Leighton Contractors (Asia) Limited; and</li> <li>• Chun Wo Construction &amp; Engineering Co., Ltd</li> </ul>	<p><b><u>Leighton Contractors (Asia) Limited</u></b>  <a href="http://www.leightonasia.com/en/who-we-are/pages/default.aspx">http://www.leightonasia.com/en/who-we-are/pages/default.aspx</a> *</p> <p><b><u>Chun Wo Construction &amp; Engineering Co., Ltd</u></b>  <a href="http://www.chunwo.com/Page/Article.aspx?article_type=1">http://www.chunwo.com/Page/Article.aspx?article_type=1</a> *</p>

No.	Construction Works Contract	Name of Contractor	Background of Contractor (Note 1)
10.	Contract No.: 3601 New Automated People Mover System (TRC Line)	<ul style="list-style-type: none"> <li>• CRRC Puzhen Bombardier Transportation Systems Ltd.</li> <li>• CRRC Nanjing Puzhen Co., Ltd.</li> </ul>	<p><b><u>CRRC Puzhen Bombardier Transportation Systems Ltd</u></b> (Website not available)</p> <p><b><u>CRRC Nanjing Puzhen Co., Ltd.</u></b> <a href="http://www.crrcgc.cc/pzen/g3297.aspx">http://www.crrcgc.cc/pzen/g3297.aspx</a></p>
11.	Contract No.: 3602 Existing APM System Modification Works	<ul style="list-style-type: none"> <li>• Niigata Transys Co., Ltd.</li> </ul>	<p><b><u>Niigata Transys Co., Ltd.</u></b> <a href="http://www.niigata-transys.com/en/company.html">http://www.niigata-transys.com/en/company.html</a></p>
12.	Contract No.: 3603 3RS Baggage Handling System	<ul style="list-style-type: none"> <li>• Vanderlande Industries Hong Kong Ltd.</li> <li>• Shun Hing Systems Integration Co., Ltd.</li> </ul>	<p><b><u>Vanderlande Industries Hong Kong Ltd.</u></b> <a href="https://www.vanderlande.com/about-vanderlande/company-profile">https://www.vanderlande.com/about-vanderlande/company-profile</a> *</p> <p><b><u>Shun Hing Systems Integration Co., Ltd.</u></b> <a href="http://www.shunhingsi.com/en/aboutus/companyprofile.aspx">http://www.shunhingsi.com/en/aboutus/companyprofile.aspx</a></p>
13.	Contract No.: 3801 APM and BHS Tunnels on Existing Airport Island	<ul style="list-style-type: none"> <li>• China State Construction Engineering (Hong Kong) Ltd.</li> </ul>	<p><b><u>China State Construction Engineering (Hong Kong) Ltd.</u></b> <a href="http://english.cscec.com/index.html">http://english.cscec.com/index.html</a> *</p>

<b>No.</b>	<b>Construction Works Contract</b>	<b>Name of Contractor</b>	<b>Background of Contractor (Note 1)</b>
14.	Contract No.: P560(R) Aviation Fuel Pipeline Diversion Works	<ul style="list-style-type: none"><li>Langfang Huayuan Mechanical and Electrical Engineering Co., Ltd.</li></ul>	<b><u>Langfang Huayuan Mechanical and Electrical Engineering Co., Ltd.</u></b> <a href="http://www.hy6688.com/en_abouta.aspx?id=7">http://www.hy6688.com/en_abouta.aspx?id=7</a>

**Note:**

1. Website marked with an asterisk "\*" is the website of the contractor's parent company.
2. The contractor was involved in the fatal construction accident of the Hong Kong-Zhuhai-Macao Bridge project.