

**CONTROLLING OFFICER'S REPLY TO  
INITIAL WRITTEN QUESTION**

Head: 82 Buildings Department

Subhead (No. & title):

Programme: Buildings and Building Works

Controlling Officer: Director of Buildings

Director of Bureau: Secretary for Development

Question:

In 2012-13, the Buildings Department will “commence a consultancy study to review and make recommendations on modernising the Code of Practice on Wind Effects in Hong Kong 2004, to bring it in line with contemporary international standards’ design approaches and meet the latest development in wind engineering and meteorological data”. Please advise this Committee of the details of the consultancy study and the expenditure involved.

Asked by: Hon. LAM Tai-fai

Reply:

Under the Buildings Ordinance, all private buildings in Hong Kong are required to be designed and constructed to resist wind loads. The Code of Practice on Wind Effects in Hong Kong 2004 (the “2004 Code”) was published by the Buildings Department (BD) in 2004 for the reference and application of the building industry in this respect.

In recent years, there has been development of wind engineering and design approaches and more meteorological data are available. The BD intends to commission a consultancy study to review the current practices in overseas wind codes and published papers in respect of the wind speed/pressure profiles, wind directionality, terrain types, dynamic effects of wind, peak acceleration for excessive response of building including human comfort, external pressure coefficients, etc., and to make recommendations on modernising the 2004 Code so as to bring it in line with contemporary international design approaches and meet the latest development in wind engineering and technologies.

As the consultancy study is currently in the tendering process, the cost of the study is not available for the time being.

Signature \_\_\_\_\_

Name in block letters \_\_\_\_\_ AU Choi-kai \_\_\_\_\_

Post Title \_\_\_\_\_ Director of Buildings \_\_\_\_\_

Date \_\_\_\_\_ 27.2.2012 \_\_\_\_\_