

**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:

Please provide the details of the consultancy study to be commenced to review the Code of Practice on Wind Effects in Hong Kong 2004, including the specific work plan, the proposed scope of study and the timetable. What is the amount of resources to be allocated by the Government for this study?

Asked by: Hon. CHAN Tanya

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 28.2.2012