



土木工程拓展署

**Civil Engineering and
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Council Business Division 1
Legislative Council Secretariat
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

(Attn.: Ms Doris LO)

Dear Ms LO,

(Translation)

Capital Works Reserve Fund Block Allocations
(Review of Studies on Climate Change and its Implications on the Design of Coastal Structures - Feasibility Study)

Thank you for your referral of Hon CHU Hoi Dick's letter dated 10 January 2018 addressed to the Director of Civil Engineering and Development Department (DCED), expressing his concern about the captioned study and the related guideline to design of coastal structures. The DCED noted the issue and has assigned me to reply. Our reply is as follows:

The Intergovernmental Panel on Climate Change (IPCC) published the Fourth Assessment Report (AR4) in 2007. According to preliminary studies of the Hong Kong Observatory, Hong Kong would probably be subject to more extreme weather conditions due to climate change. In order to understand the potential implications of the effects of climate change on coastal structures in Hong Kong and make necessary and appropriate revisions to current design standards to cope with climate change, Civil Engineering and Development Department (CEDD), based on the results of the AR4, commissioned a consultancy namely "Review of Studies on Climate Change and its Implications on the Design of Coastal Structures - Feasibility Study". The captioned study was generally completed in June 2013.

In September 2013, the IPCC published the Fifth Assessment Report (AR5) which updated the scientific research and projections related to climate change. In this regard, the CEDD has reviewed the findings in the aforesaid study based on the latest Assessment Report. The review has been completed and the Corrigendum of Port Works Design Manual (PWDM) updating guideline to the design of coastal structures was published in January 2018 accordingly. Relevant updated information can be downloaded from CEDD website. We are now compiling the Final Report and the Executive Summary to summarize the findings based on all the above studies. The Executive Summary will be uploaded to CEDD website for reference in due course.

Yours faithfully,

[Chinese version signed]

(WONG Chi-pan, Ricky)

Chief Engineer/Port Works

Civil Engineering and Development Department

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