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## 2 SCOPE OF ENVIRONMENTAL IMPACT ASSESSMENT STUDY

### 2.1 Hong Kong Link Road (HKLR)

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2.1.1 According to the EIA Study Brief (ESB-110/2003), the EIA for HKLR shall address the following:

- (i) Describe the Project and associated works together with the requirements for carrying out the Project;
- (ii) Identify and describe elements of community and environment likely to be affected by the Project and/or likely to cause adverse impacts to the Project, including natural and man-made environment and the associated environmental constraints;
- (iii) Provide information on the consideration of alternatives to avoid and minimize the potential environmental impacts to the ecological sensitivity areas in Lantau Island and other sensitive uses; to compare the environmental benefits and dis-benefits of each of the different options; to provide reasons for selecting the preferred option(s) and to describe the part of environmental factors played in the selection;
- (iv) Identify and quantify emission sources and determine the significance of impacts on sensitive receivers and potential affected uses;
- (v) Identify and quantify any potential landscape and visual impacts and to propose measures to mitigate these impacts;
- (vi) Identify and quantify any potential losses or damage to flora, fauna and natural habitats and to propose measures to mitigate these impacts;
- (vii) Identify any negative impacts on site of cultural heritage and to propose measures to mitigate these impacts;
- (viii) Propose the provision of mitigation measures so as to minimize pollution, environmental disturbance and nuisance during construction and operation of the Project;
- (ix) Investigate the feasibility, practicability, effectiveness and implications of the proposed mitigation measures;
- (x) Identify, predict and evaluate the residual environmental impacts (i.e. after practicable mitigation) and the cumulative effects expected to arise during the construction and operation phases of the Project in relation to the sensitive receivers and potential affected uses;
- (xi) Identify, assess and specify methods, measures and standards, to be included in the detailed design, construction and operation of the Project which are necessary to mitigate these environmental impacts and cumulative effects and reduce them to acceptable levels;
- (xii) Investigate the extent of the secondary environmental impacts that may arise from the proposed mitigation measures and to identify constraints associated with the mitigation measures recommended in the EIA study, as well as the provision of any necessary modification; and
- (xiii) Design and specify environmental monitoring and audit requirements to ensure the effective implementation of the recommended environmental protection and pollution control measures.

2.1.2 Technical aspects that have been covered in this EIA Report include:

- Air quality impact;
- Noise impact;
- Sediment quality;
- Waste management;
- Water quality;
- Ecological impact;
- Fisheries impact;
- Cultural heritage impact;
- Hazard to life;
- Landscape and visual impact; and
- Environmental monitoring and audit requirements.