

**AVA Register for Government Project
Project Description**

Return From (Department/bureau/authority) ArchSD

Return For 3rd Quarter of 2020

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| <p>1. Project Name (in English & Chinese)</p> | <p>Reprovisioning of Transport Department's Vehicle Examination Centres at Tsing Yi 重置運輸署驗車中心往青衣</p> |
| <p>2. Project Reference</p> | <p>AVR/G/138</p> |
| <p>3. Outline of Project Details <i>(attach location plan)</i></p> <p><i>Please include key development parameters e.g. site area, total GFA, building height, lot frontage for waterfront sites etc. relevant to the project and the relevant criteria for AVA set out in para. 4.</i></p> | <p>Site Area: 34872m² Building Height: 52.08m Total GFA: 62537.637m² Proposed Non-Domestic Roofed-Over Area: 16726.114m² Proposed Non-Domestic Site Coverage: 47.964% Proposed Non-Domestic Plot Ratio: 2.401</p> |

4. **Select the following category(ries) which would be applicable to the major government project :**





(Please tick ALL relevant categories)

- Planning studies for new development areas.
- Comprehensive land use restructuring schemes, including schemes that involve agglomeration of sites together with closure and building over of existing streets.
- Area-wide plot ratio and height control reviews.
- Developments on sites over 2 hectares and with an overall plot ratio of 5 or above.
- Development proposals with total Gross Floor Area exceeding 100,000 square metres.
- Developments with podium coverage extending over one hectare.
- Developments above public transport terminus.
- Buildings with height exceeding 15 metres within a public open space or breezeway designated on layout plans / outline development plans / outline zoning plans or proposed by planning studies.
- Developments on waterfront sites with lot frontage exceeding 100 metres in length.
- Extensive elevated structures of at least 3.5 metres wide, which abut or partially cover a pedestrian corridor along the entire length of a street block that has / allows development at plot ratio 5 or above on both sides; or which covers 30% of a public open space.
- Others, please specify

single block development with coverage extending over one hectare

| 5. Relevant factors which have been taken into account in assessing the need for AVA | | | |
|--|-------------------------------------|-------------------------------------|--|
| <i>Factors</i> | <i>Y</i> | <i>N</i> | <i>Brief remarks</i> |
| Are there existing / planned outdoor sensitive receivers located in the vicinity of the project site falling within the assessment area? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | No outdoor or natural ventilation sensitive receivers is located in the vicinity of the project site |
| Are there known or reasonable assumptions of the development parameters available at the time to conduct the AVA? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Frozen design and Employer Requirements |
| Are alternative designs or alternative locations feasible if the AVA to be conducted reveals major problem areas? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | No major problem area has been discovered |
| Are there other overriding factors that would prevail over air ventilation considerations in the determination of the project design? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Required spaces, head rooms, traffic and roads arrangement and provision of service and facilities |
| Will the desirable project design for better air ventilation compromise other important objectives for the benefits of the public? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Has the public raised concern on air ventilation in the neighbourhood area of the project? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

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|---|--|-------------------------------------|--|
| Is the project already in advanced stage to incorporate AVA? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Any other factors not listed above? (please specify) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 6. Is AVA required? | | | |
| AVA is required for the project | <i>Go to Section 7</i> | | |
| AVA should be conducted later | <i>Go to Section 8</i> | | |
| AVA to be waived | <i>Go to Section 9</i> | | |
| 7. AVA is required for the project | | | |
| <i>(The AVA report, 3 hard copies and an electronic copy in Acrobat format, is be submitted for record after completion)</i> | | | |
| (a) AVA Consultants (if any) | Cundall Hong Kong Limited | | |
| (b) Time (start / finish) | December 2018/ January 2020 | | |
| (c) Assessment tool used (CFD or/and wind tunnel) | CFD (Fluent version 19.1) | | |
| (d) Any design changes made to the project resulting from the AVA? | No (The building form design has considered AVA performance in early stage) | | |
| (e) Any major problems encountered in the AVA process? | No | | |
| (f) Any suggested improvement to the AVA process? | No | | |

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| 8. AVA should be conducted later | | <i>not applicable</i> |
| (a) What is the current stage of the project? | | |
| (b) When should AVA be conducted? | | |
| (c) Which Policy Bureau agrees to conduct AVA later? | DB THB Others _____ | |
| 9. AVA to be waived | | <i>not applicable</i> |
| (a) Give justifications for waiving the requirement | | |
| (b) Have qualitative design guidelines / measures been adopted and design changes been made to improve air ventilation of the project? | | |
| (c) Which Policy Bureau agrees to waive AVA? | DB THB Others _____ | |
| 10. Contact | | |
| (a) Name | |  |
| (b) Designation | |  |
| (c) Tel. | |  |
| (d) E-mail | |  |