

**AVA Register for Government Projects
Project Description**

Return From Planning Department

Return For 1st Quarter of 2008

1. Project Name	Term Consultancy for AVA Services - Expert Evaluation on Air Ventilation Assessment of Ma Tau Kok Area 合約顧問服務 - 馬頭角區空氣流通專家評估
2. Project Reference	AVR/G/09
3. Outline of Project Details .	The Project is to provide an expert evaluation on the proposed new building heights of the development sites on the pedestrian wind environment within the Ma Tau Kok Area from an air ventilation perspective.

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

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 checked="" type="checkbox"/>	<input type="checkbox"/>	Yes, there are several open spaces within the assessment area.
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"/>	Yes, development parameters have been reasonably assumed, partly based on the committed/approved developments.
Are alternative designs or alternative locations feasible if the AVA to be conducted reveals major problem areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes, building heights adjusted as far as possible to address the problem areas identified in AVA
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"/>	Various elements including the land use, development right, urban design context, site constraints, government policy, public views, etc. have been taken into account in formulating the building height for the subject area. Air ventilation is one of these considerations.
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"/>	

Is the project already in advanced stage to incorporate AVA?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Any other factors not listed above? (please specify)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Is AVA required?			
<input checked="" type="checkbox"/> AVA is required for the project	<i>Go to Section 7</i>		
<input type="checkbox"/> AVA should be conducted later	<i>Go to Section 8</i>		
<input type="checkbox"/> AVA to be waived	<i>Go to Section 9</i>		
7. AVA is required for the project <input type="checkbox"/> <i>not applicable</i> <i>(The AVA report, 3 hard copies and an electronic copy in Acrobat format, is to be submitted for record after completion)</i>			
(a) AVA Consultants (if any)	Ove Arup & Partners Hong Kong Ltd		
(b) Time (start / finish)	Oct 07/April 08		
(c) Assessment tool used (CFD or/and wind tunnel)	N/A		
(d) Any design changes made to the project resulting from the AVA?	Building heights at problem areas were adjusted and building set backs were suggested for better ventilation.		
(e) Any major problems encountered in the AVA process?	Nil		
(f) Any suggested improvement to the AVA process?	Nil		

8. AVA should be conducted later		<input checked="" type="checkbox"/> <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?	<input type="checkbox"/> DB <input type="checkbox"/> THB <input type="checkbox"/> Others _____	
9. AVA to be waived		<input checked="" type="checkbox"/> <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?	<input type="checkbox"/> DB <input type="checkbox"/> THB <input type="checkbox"/> Others _____	
10. Contact		
(a) Name	██	
(b) Designation	██████████	
(c) Tel.	██████████	
(d) E-mail	██	